

FIGURE 1-A

>3:198232901-198309500

1	actaagttac	tacaaagcag	ttaacatagt	ctcagatatt	aaaaatttaa	gatactgaag
61	agctaagtca	attcctgata	atctcttaaa	tttgtgatct	atctctttca	ctgtattcag
121	atcttcatat	ttRtagtctt	tgcttagagt	cttcccaccc	gccccacct	cgctctgttg
181	ctcaggccgg	agtgcagtgg	tgcaattccg	gctcatcgca	gcttctgcct	cctgggttca
241	agtgattctt	gtgcctcagc	ctcctcagta	gctgaaatta	caggtagtga	ccaccatgcc
301	tgtttaattt	ttatgttagt	agagacagag	tttcatcaag	ttggccaggc	tggtcttgaa
361	ctcctgcttt	caagggattt	gcctgctttg	gcctcccaaa	gtgctgggat	tacaggcggtg
421	agccattgcg	cctggccaag	tctttgcctt	actcttaaca	attcctcaca	gtacaccttc
481	tatatgttca	aaacatactt	cggcatttta	aagttacttt	tcctttaaac	cttctatttc
541	atttacctac	ttaagattcc	taccttttcc	ttttgtttca	atcaattgat	acttttagtc
601	ctatcagtct	ccacatttta	cctatcctgt	gtatattttc	gtaaatactc	ccaccaacat
661	atttttgttt	tgtttttaag	gttttttttg	agacaggctc	tgctctgttc	atccaggctg
721	gagtgcagtg	gcacgatcat	ggctcatagt	agctctgacc	tcctgggctc	aagcaatctt
781	cctaccttag	cctctcaagt	agctgagctt	acaggcatgc	atcactatgc	ccagctcatt
841	tttaaaatta	cttgcaagcg	cagggtgtcc	tatgttacct	aggggatctt	caactcttag
901	gctcaagtga	tcctcttgtc	tcagcctccc	gaagtgctaa	ccactacacc	tattttctta
961	aatttttatt	ttgacggaag	agtttcatcc	cttttttcag	ttaagtcatt	tacactcctc
1021	tcctagaatt	acatcaaaac	tcagcaaagc	tataatttta	cataagagat	tttctccatt
1081	caacatctca	aaaattcctg	tatcaaacca	tatttcttgt	catgaaacgt	ataggacgt
1141	atctgaactg	ctggctacaa	gttagtatgt	atacgcttat	acaaggagag	atatttaaaa
1201	gctgattttt	tcatttgata	tcccctttca	aattttaacc	tttgttttca	ccgccacact
1261	agaagtaaaa	agtgaaggaag	gggtatgggg	gaaattggac	ttcctcaatc	tcctcttaac
1321	atgcaatccc	tataaagaaa	aacattcatt	tataactgta	ataaaataca	ttaaaccacag
1381	atattaaacc	caagagaaac	aattctcaga	ggatggatac	tattaaattg	cctaagaaga
1441	aagggaaact	atttttaaga	agggcagtta	gttggtttta	gtacaatagc	tccttggcat
1501	actcggagga	ttagttccag	aacccacgt	ataccaaaac	ccgtgcatgt	tcaagtctaa
1561	caggaggcct	tgtggaatct	gacaggcata	tggcattttc	tatcccagtt	tggttgaaca
1621	gcacgtgcgt	aagtggacac	tcgcagttca	aacctgtgtt	gttcaagggt	caactgcagc
1681	acaggcgctg	agaaaaatca	agcaagggaa	gtgggaaagc	aggagactga	aaaaaatttt
1741	aattactctat	ctactactga	aaatgataag	aaatgacaaa	tgtctgcaaa	taaatgccac
1801	tagtccactg	caatcttccc	agattatctc	cacctcttct	ccctttgggt	ggtataagaa
1861	gtaataatga	aaataaagtc	aggacactgg	gtgtagaata	tctacctttg	taactcaaga
1921	tttcaatcaa	agctttgaag	cgcagaaaag	ttaagtgaat	atggcctaac	ctctctagac
1981	tctggtcact	tgcaaaatag	ggattatgcc	accaaacagt	ttttttcttg	cgaaaaataa
2041	atatgtcaca	aataaagac	ctaaccaatg	ggaaagagaa	aataaattta	acttatatat
2101	tgagtttctt	tccaatttat	ttcttttatg	gtattattac	aataaattta	atgctttctg
2161	aacaaaagat	tgagatataa	gtcttgaaag	ttggcctaata	actcttgagg	aacaataaga
2221	ttaaatatatt	gaggtgagag	attccaagag	tttaatgagt	agttgaaaga	gtaagaacag
2281	ggtatggaga	cccaccagaa	acccagcagt	tgccacaaaag	attttaagct	gaagatatct
2341	gagattcaac	agatgcagga	aaaaagcctt	ctcggagttt	ctctaatactg	actaaaaggt
2401	gcagcttccg	agaaatgaag	ttaccataaa	tacctcttga	ggagtctgat	ggccccgaag
2461	aatggaaaga	ccagtcatac	cagtttagac	aaatgtcatc	acaaacttta	tccccatct
2521	cttctcctaa	aaacttgtct	ttcctgaaga	aatgtacgtt	tttctaataa	aagctgtttc
2581	tcctctcttc	ctttccctac	tagatttagt	gtacaagctt	ttaacttcat	ccacaagcta
2641	gcttcagtat	ttcttctggt	gcctcttgca	tccatataca	agaaactttt	tttccatggt
2701	aatctgtttt	ttttgtcagt	ttacttcaca	ggcccgttac	tgaacataca	aggggtggagg
2761	aaaagggttt	tcttcgctta	aaaggggcta	gaagaaatct	taaccgttta	acagtgtgtg
2821	aactagcaaa	ttacttggtc	tctttatgga	agagcttatt	caactacaac	gtaaaacggg
2881	gataacgggtg	cttacttaca	ggattatctt	gggagttaaa	agagtgaata	aacataacat
2941	ggttcgtatc	atgcatggcg	tcaggtttta	ctattatata	ctatcacagg	agattctttt
3001	tttttttttg	agacagagtc	tcgctctgtc	gcccaggctg	gagtgcagtg	gcgtgatctc
3061	ggctcactgc	aagctcggcc	tcccgggttc	acgccattct	cctgcctcag	cctcgcgagc
3121	agctgggact	acagggtgcc	gccaccagc	ctgggctaatt	ttgggtttgt	attttttagta
3181	gagacggggt	ttcaccgtgt	tagccagaat	ggctctctatc	tcctgacctc	gtgactctgc
3241	cgccctaggcc	tcccaaaatg	ctgggattac	aggcgtgagc	caccgcgcct	ggccaagaga
3301	ttcttaaact	ataggaagta	tgtgataaaa	ctttataact	ttgggatatg	gagtcacaaa
3361	cgagtatatg	atttatattc	cagttcccat	gttcgattat	ttttattttt	attttgagac
3421	ggggtctcac	tctgtcgccc	aggctcaagt	gcagtggtga	gatcatagca	atcctgcctt
3481	ggctgggact	acgggtgcgc	actaccagc	atggctaatt	aaaaaacttt	aaaaaaggtt
3541	ttagcagaga	caagatcttg	ctatgttgcc	caggctggtc	tcgaactcct	gggctcaagt
3601	aatcctccca	cctaggcctt	ccaaagtgtc	gggattagag	gcctgagcca	ccacgtccag
3661	ctaatttctg	ataatgattc	tccaaaaaga	ttaacagtaa	aggcccccca	aagtgaatta

FIGURE 1-B

3721	ttccttgcct	ttggaattaa	taaaactgaa	aggagttaga	agataatggt	ccttcatatg
3781	tcttgttagag	attatttttt	ctcataatca	gaatccaagt	caagaaagtt	caaagtacac
3841	aagctgaaaa	accataaaaa	gtactttttt	ggaagactaa	taaggcaaac	catagatcct
3901	gaaagataaa	aaacttaatt	ctaccaaaaag	cttacctttg	tctctatctg	tctgtcttgt
3961	atgtatatat	ataagattat	caacaaggca	gagaatccca	agccttttagg	aaagatacta
4021	actgcaagat	gctgattatc	agagtgtcgg	atgactcctt	ttgtacttct	taaaatccga
4081	tttgtgttaa	tgtttttgtg	ttgtgtgtgc	gtgtagctaa	cctgttacta	agctttgatg
4141	cttttcccca	cctcttatta	tctttgtatg	aatgtgaggc	tactttttaa	ttacttatta
4201	ctggggctgg	gggctgtggc	tcacgcctgt	aatcccagca	ctttgggagg	ccgaggcagg
4261	cagatcacct	gaggtcagga	gaccagtctg	gccaacatgg	tgaaaccccg	tcgctattaa
4321	aaatacaaaa	ataagccggg	cgtggtggca	ggtgcctgta	atcccaccta	cttgggaggc
4381	ttgaacctgg	gaggcggagg	ttacagtga	ccgagattgt	gccactgcac	tcacgcctgg
4441	gcaagagagt	gaaactccat	cttaaaacaa	acaaaaaaaa	ttacttatta	ctttgctaga
4501	ttttgctaga	gtagctattc	cagaaagtcg	aggggtgcag	gaaagataga	ggcacaggac
4561	atttttacag	gttttaaaac	ccaaatactg	tcacattatc	tgatcctaca	gaggcaggct
4621	gctttatcca	aatacgggtc	ctctgctttt	ctaaaccaa	ccacattatg	agtgaatttt
4681	tataccatat	cctaaatttg	tgccatcaca	aacatttctc	acattccata	ttttaactct
4741	tccctctttt	ccgtgtggct	tctgcaagac	ctcagctgct	taaggagtct	ttacctctac
4801	ttggttgtcc	aggtatcata	cctgccttct	tagtttttagt	taatattaag	tgaagtgtg
4861	tgggtaggag	catgcgtgta	tgttttgttt	ttcttactgc	ttttgtgtgt	tctgtgtgtt
4921	ttgaggttag	ggagcagata	ttaagttacc	cgtaaccata	cctaaaaagt	ttatatcctt
4981	tataaacata	taaatgagag	gctgtctata	atactaagga	accagtga	gtacactggc
5041	ttccatatag	tgtacctacg	gggtggaata	tgttggccag	aagataaaa	tacaacatag
5101	ggtcccattg	gcagatttgt	ttctcacaaa	aattaacgaa	ttgacattct	gacttcatac
5161	gttagtctct	attgttttgt	taatgtgaat	taatattcag	aatttactcc	caattaaaca
5221	aattttcccc	tgtttagtta	ctaagcctaa	aaggccaagg	ttttactaga	ttgatagaac
5281	ctcccatact	taagaaagac	taagcaatgc	tcaacatgct	gctttgatca	gctaaaaaac
5341	atactagatt	aaaaaagaaa	ttctgcttca	aaaaagaata	aatgtaatta	gttgataaat
5401	tacagaatta	ctcatttagc	tcctttactc	acatcatctt	ttccttattc	atcatgttgt
5461	ttatgagcat	caacaaatat	gctatgtatt	cttttgggta	tttaagcttt	ctaaattcca
5521	ctgaggtttt	attggagatg	tggttatgct	gatgtacact	agagtcttac	atatgtttac
5581	tatggcatga	cctcaaattc	tccatcacca	ccttcttccc	ccaggaactt	agttaaagtc
5641	catccaccat	acttcaccat	ctagacacac	agtatactcc	aaacttggca	ttcttctctt
5701	tattttaaat	agcggcagta	acagctatta	gaaacatgtc	ttaaatcttg	atattaataa
5761	ttataaccta	attcaaaaagc	tagaaaaaat	ctgggtgacc	taattttttt	gggcattatt
5821	actatatctg	cttatggttt	ttattatttt	ttcagatcaa	taaagtagta	aaagggacat
5881	taaaagctat	gtcttcagtt	acagaaacaga	tttaaaaaag	taaacagtta	aattaaccca
5941	cataatgggg	gttttgtggg	ttaagcttgt	ggatgccagt	tcccacatca	ttaaaaaata
6001	cttttggcag	ggtgcagtgg	ctcacaccgg	taatcacagc	actttgggag	gctgaggtgg
6061	gcggatcgcc	tgaggtcagg	agtttgagac	cagcctgacc	aacatggaga	aactctatct
6121	ctactaaaaa	tacaaaaaat	tagccgggat	ggtggtgcat	gctgtaatc	ccagttactt
6181	gggaggctga	ggcaggagaa	tcacttgaac	ctgggaggca	gaggttgccg	tgagctgagt
6241	tcgcaccact	gcactccagc	ctgggcagta	agagtggaa	cccgtctcaa	caaacaaaaa
6301	acaaaaacca	aaaaaaacca	aaaaaacaaa	caacttttga	tctggaaaaa	gaactagggt
6361	cagactaaac	aaatactgga	ttagcaaatc	agaaaaaaa	cacaaaaaag	gaagttttagc
6421	ttggaagtta	aacattatta	aattattaa	aggaagaatt	ttaaaaacta	aaataagcaa
6481	taactataga	caataagaat	gttattacct	tcaggtcgat	attgtgcaac	aattgtgaca
6541	gcctggccag	catttttcaa	tgcagctgct	gcctgctcat	gactagcagc	tctgaggtca
6601	acactgttta	cctgtaaatc	aaaccaaatc	ttaatttggg	agaaaagaat	cactgtgatt
6661	agaaatcaca	atagtctatt	ctttgagtaa	gcatgtatta	aaaaattagt	tgcaataaact
6721	taccactata	aatgtttctt	gttctgattg	actaaaaata	tattgtgtag	taaaacaaaa
6781	tattatcatt	caaagctatt	ttatttacta	aaaccacctt	gcttaatgtc	aagttagtaa
6841	aaccaaaaca	ttttccccta	gaaggctggg	tatcaatcca	ttgagaaatg	taccttaatt
6901	tgagaacctg	aaaaatcaag	tggcatcatt	ttgcacactt	tattttgcta	ggaactcaag
6961	caatggggag	gaaagtcatt	ttgctttag	catccattta	cctcctgcca	cattctcacg
7021	caactgtctc	aattcagttc	caattatttt	tcttctgtga	caaactaaaa	cttccattct
7081	tttgggtata	taggaaagct	attatttaga	aatattaaaa	cagctcagat	ttcaaggact
7141	gatttaatta	gaataaatgt	taattaaatg	aaccaggagt	tattttttga	attaagagcc
7201	cttccttagg	tgaataaatt	atccaaattct	accagtaggt	acaatcctac	tccagaagaa
7261	gaggcaactt	aattcttatt	tctcaaaggt	taccaatact	ttgcgcgcac	atatacatat
7321	atagtgaag	gtacattatc	ttaagagatt	gttccttttc	cacaataaga	caaacttaag
7381	aggacattca	tggaagcatt	atactggaat	gtaataaact	ttaaataccg	aattaaaaaa
7441	aattaagaag	caacaatgaa	tagaatatgg	caatgttcag	gaccttcact	gaaaattttt
7501	ggaaaggaac	gatcatcatg	caatttttca	acaaaaactt	gttttgttga	gaactaatct

FIGURE 1-C

7561	aaaatctgtt	aaagatcaca	tatcactttt	aaaaaatttg	actatgagcc	cagaaattct
7621	tgggatcata	aattttacata	aagaacattt	taacccatata	aagatctgat	gtttttatatt
7681	atctaaaaag	aaaccattat	gcaactaaat	ttaaatacat	accccttgag	gctgggcatg
7741	gtggctcaca	cctgttatcc	cagcactttg	ggaagctgag	gtgggtggtt	cacttgaggc
7801	caggagtctc	agaccagcct	ggccaacatg	gcaaacacct	gtctctacta	aaaatacaaaa
7861	aattagccgg	gcatggtggt	gtgtgcctgt	agtcccagct	actcaggagg	ctgaggcatg
7921	agaatcactt	gaacctgRga	ggcggaagtt	acagtgagct	gagatcacat	cactgtactc
7981	cagcctgggt	gacagagaga	gggacgctct	gtctccagcc	agcccccccc	acccccctca
8041	atgaaaacca	agatctaaaa	tccataacat	aaacaaatgt	aaacaatgtg	gttattagta
8101	tctccagctg	atgatggcca	tataaaactc	aatacaatgt	ataaacagtt	ctacttagtg
8161	cataaagaaa	atcctcccaa	ttcctgggag	aacatatcag	gcaagaaata	taaagaaaga
8221	cagggtttttc	acagattatt	gtagaaaaga	ttaagaatgt	taatgaatta	tttctgtgca
8281	ccaaactcct	ttaagagcat	aatttgttga	acaaaactac	atattaaaga	ctttccagac
8341	tatcactgaa	catttcaatt	gaagatacat	tattaaggat	attttagaag	aaattccagt
8401	actgagagag	atacttgtat	aaatagcctt	agagtcaact	tttttctttt	acaccgacat
8461	ttttaaaaaa	ggagaaataa	ttcgcatacc	atagaattca	cattttttaa	gcataatggt
8521	tagtgggtttt	tgtatatatt	gcaagtctgt	gcaaccatca	ttaccaccta	attccaaaaa
8581	atttttcatta	ccccaaaaag	aaactctgta	tccactgaca	gtcactcctg	tgtctcctct
8641	ccatccctgg	caactacgaa	gctactttct	gaccatactg	tacatatacc	tatatatacc
8701	tattcgggtat	atttcaaata	aacgggatat	ataatatgta	gccatctgtg	cttggtctct
8761	ttcacttatt	ttccaggttc	acccttggag	catgtatcag	tacttcattc	cttatattta
8821	gtggcgctaa	ataatgcgcc	actaaaatcc	attaaaaatg	gatatactgg	ccRggtgtgg
8881	tggctcacgc	ctgtaatccc	agcactttgg	gaggccaagg	caggcagatc	acgaggtcag
8941	gagatcgaga	ccttctctgg	taacatggtg	aaaccctgtc	tctactaaaa	atacaaaaaa
9001	attagccggg	cgtggtggca	ggcacctgta	gtcccagcta	cttggggaggc	tgaggcagga
9061	gaatggcgtg	aagctgggag	gcggagcttg	cagtgaacag	agattgcgcg	actgcactcc
9121	agcctggggc	acagagcaag	actctgtctc	aagaacaaaa	aacaaaaaaa	ccaaacccaa
9181	aaaaaaaaag	atataccact	tttgttgatc	catgtcctta	aattttatact	taagtatttt
9241	attctttttg	atagtattat	aaatcaatgt	tttctttgtc	tatcctgcaa	atttaactga
9301	actcatttat	tagcttgaca	gtctgttgtt	gtattttctta	agattttttc	tatacaagat
9361	tatgtcatct	gcaaacagaa	atagttttct	tgttttttat	tctggtagcc	tttttttttt
9421	tttaattctg	cttaatttct	agaacctcca	ggacaatggt	gaatagaagt	aggaagagca
9481	gatacccttg	tcttgttctt	gatttttagag	ggaaagcttt	cagtctctca	ccatttagta
9541	tgatgtcagc	tatagggttt	ccagagatac	cctttaacag	gttgaagttc	ccttttatcc
9601	ctagtctatt	tagtgttctt	atcatgaaaa	gctgttggtt	tatgacaatt	gctttttctg
9661	tgtctactga	gatatcatgt	gcttttatgc	ctttattaag	atgggtgtct	actttgattg
9721	gttttcttat	gttgaactaa	ccatgcattc	cttgaataaa	ttccatttgg	ttatgggtaca
9781	tcatccttgt	tcatgctggt	ggatccaggt	tgttattttg	ttgattttta	catctatatt
9841	catatgggat	attgggttgt	aattttttct	tcttgtgatg	tctttgggtt	ggtataagga
9901	taatactggc	cacacagaat	gagctggaaa	gcatttcctca	tgtttattcc	tttttgggga
9961	agagtttgtg	aatgattggt	gttaattctt	taaattgttg	gcagaatgta	ccagtcagc
10021	catctgggtc	tgggattttt	gtgttttgtt	agtttttgat	tactaattca	atttcttgt
10081	tttaaatcta	ttaaaattct	ctattttctt	ttgagttagt	ttcagtagtt	tatgtctttc
10141	tagaaatgta	ttgtaatta	gagtatataa	ctataaaata	tataccatct	atgactacat
10201	aatgatatac	tataaatgtc	tttcgccttt	agtaataatg	tttttcttca	agcgtccttt
10261	gatattagtc	atattagtac	agccacagta	ggtgtctttt	ggttactttt	tgtgtaatgc
10321	atctttttcc	cccgtttact	ttcaaccttt	ttgtgtcttt	gagtcataag	tgtctctctt
10381	gtagaccctg	tgtagtggga	ttctgttttc	taatctactt	tatcaacatc	tttggccttt
10441	taactggagt	gcttaatctg	tttatattta	atataattac	tgataatgta	gaatttactt
10501	aatttgggta	tttgttctat	gtcttttctt	tctctattcc	tcaattactg	cattattttt
10561	atattaaata	gatatttctt	agtgtaccat	tttaattccc	atgtcattaa	ttttactaca
10621	tatattttgt	agtcattttc	ttagtggtta	tcttggatta	taagtaaaaa	tttaaagcca
10681	gatgtggtgg	ttctagactg	taatcccgat	gactcagggt	gctcaggcaa	aaggactgaa
10741	gcaggagcat	cacttgagta	caacactttg	agggctggct	aggcatcaca	gtgagaccct
10801	tatctctaaa	aaaataaaga	aaacaattca	gccagggtga	gtggtgcata	cctgcagccc
10861	agctactcgg	gaggctgagg	cacgaggatt	gcctgagtaa	gtttgaggct	gcagtgagct
10921	atgactgtgc	tactgcactc	cagcctgggg	gacagagtga	gatgctgcct	ctaaaaataa
10981	ataagtaaac	aaacaaacat	tttataagaa	cctagtttct	ttaccgcctt	tgtggtgttg
11041	tcatattaat	tttatgttta	tacgatgtgt	gcacatcaaa	tttgtaatta	ttgctttatt
11101	cagttgtttt	taaaaatcagg	ttggagaaaa	aaagagttgc	atataaaaca	atacccttat
11161	gttgttttat	atttacctgt	cgtttgcctt	ttacttaggc	tctttatttc	ttacttgga
11221	tttgagttac	tctctagttt	cttttctatt	tagtctgaag	gattctctta	tttctatag
11281	ggcagggttt	tgagagatga	actccttcag	cttttgttta	tctggcaatg	tcctgatttc
11341	ttcttttatt	tcaaaagata	gttttgctgg	atatagagtt	ctagtcaaca	aagttttttt

FIGURE 1-D

11401	cttttcagaa	ttttgaattt	gttattttcac	tgcttttctga	cctccatggt	ttctgatgag
11461	aaatcagcta	ttaaccctgt	tgaggatccc	ttgcacgtgg	tgagtcattt	ctttttgcta
11521	ctttcaatat	tctgccttcg	gcttttagaca	gttcgattgt	aatgtgtcta	tggtgtagat
11581	ctcttttaaat	taattttaact	tggagttcac	tgaggttcct	ggattaatgg	ttttaatcaa
11641	gttctagaag	tttttgggcg	agtattttatt	caaatattct	ttcttctttt	ttctctcttt
11701	cccattcttc	acatactccc	attatgttgg	taaatttgat	agtatcccat	aggctctgga
11761	agctgttaat	ttttcttcat	tctttcttct	tttgttattg	ttcagttcct	cagcatcaaa
11821	atctcaattg	acccatcttc	aagtttgctg	attctttctt	ctgccagctc	aaatctgctg
11881	ttgaccttgt	ctagagaatt	tttcatttaa	gttactgtac	tttccaactc	cagaatttct
11941	atttggttct	tacatataat	ttctaactct	ttattgatat	tttttacatg	gtgagatatt
12001	gttcctttac	tttcatgtca	gtctacagga	tggttttctt	ttattccttg	aacgtattta
12061	aaatacctgg	tttaatgtct	ttgttttagca	tgttcaatgt	ctgaccttcc	ctaggaacga
12121	tatccattga	ttgcgttttt	ctcctgtata	tggggccatac	ttttctttcc	gcttgtctca
12181	aaatttttatg	acgaaaaata	ggcattttaa	ataaatataa	tacggcaact	ccagatagca
12241	gaactgtcct	cttatctacg	cttgctcattg	ctgtctgtta	gtgacttttc	ttaatgttat
12301	aaagtccgta	ttctttgttg	tgtgtggcca	ctgaggtctc	tgtctgggta	gcttagtggt
12361	taatgactga	atacataatt	ccttaaatac	ctgaaactta	caaactcttc	actcttttcc
12421	aagggctata	tgtgcatttt	ggggccacc	tttaacactc	agataagcaa	ttaacaactg
12481	ccttaaatacg	cttgacagga	ggctcatgat	caggtagagg	tgagagttaa	aggccttttc
12541	tagtcttttc	tgagcatgcg	cacagccctg	aacatgtgtg	tggccttctg	gttccaagga
12601	tacacggagg	ttttcaaagg	cctttaggag	aattcactcc	tccaattttc	cttttaagtt
12661	tattgatcgg	tctactattt	cttagtgctt	ttagggcatt	tccctagaga	agttcagtaa
12721	gcattaaaaat	tttaaggtta	ctgatgcata	ttgctaaaca	taatgctgta	tttaactgca
12781	ctcacattag	ggtgagctac	ttccctggac	tagctgagac	ttccagtttt	agaatcaaga
12841	ccaaagggtt	tccagacatg	gggcattcag	ttctaaaacc	atgaatgttc	tgggtgaact
12901	aggttgagtt	ggttggtctc	acacacttta	gcactgtatc	aatgacctat	ctaaagtggg
12961	tccaaaggga	caatttaaaa	acatctatta	ctgaactcta	ggctaaacga	aaattttatt
13021	ggacacaaag	tgtgaagtga	ggctctaagc	taattttatt	tccctaaata	actaggtaat
13081	atgttcaaca	atattaatct	tttaagtcca	ttccctacca	ctaagttttc	cttatcatat
13141	tgtaacttaa	ataaattaca	gtatatttta	caatgaaatg	tagaaatttg	aacagctcag
13201	ctgaaaggat	tttgctaacc	Rtaaaaaatc	tgaaccact	acccagaca	agacatgat
13261	cttttccacc	gatgttcaac	tgtgcatttc	tatagtcagt	cccaatcact	ggcaaccact
13321	ttctgactta	cagcaccaca	agttagtgct	acctgctctt	gattatcatg	taactggaat
13381	tatatagatt	gtatttttgt	tatctgtttt	gctcaacata	cttggtttgt	gtttcagtag
13441	ttgttccttt	taattgtctga	gtagtattat	attgtgtaaa	cataccacaa	tttagcaatt
13501	gtcctgtctga	tggaaacctg	ggtcatttca	aggctagat	tattatgaat	aaggttgtaa
13561	agaatgttct	tgtcaaagtg	tttttgttga	tgtatgcttt	catttgtcct	gggtaaaacc
13621	tgggtgataa	gattagatgt	atgttttaact	tcttaaaaaac	cttcccaaaa	gttcttgtag
13681	tggatatacca	tttacacgtc	cactagtagt	gaatgagggt	tgtagctgct	ccacatcctc
13741	atcaatgaat	gttggttattt	ttttcttttt	ttgttcaact	aagtgggata	tagtatttca
13801	ttacgacttc	aagaatacct	atttttatct	aggcataatc	aatcttcttt	agtgtatagt
13861	taagttttgg	caaagtgtga	tttcgtgcag	ccaccacaa	tcaaaatata	gaacaattac
13921	atcactctta	ttcaactccc	tacaaacctc	ttcattcact	gcgggtttgtg	cacttctctg
13981	atgcctaata	tttagcacct	tttcatgtgc	ttactggcca	ttcacatata	ttttgtgctg
14041	tacctgtctca	agtcttttgt	gcatttttaa	ttgggttatt	catcttttta	ttgttgattt
14101	gtaggagata	tttatatatt	gtggatacaa	gtagtatgtc	atgtatgtgc	tgagaatatt
14161	ttttaccact	gtgtggcttg	cctattttgt	tttttctttt	cttttttttt	gagacagggt
14221	gttgctctgt	tgcccaggct	ggagtgcagt	ggtgggatca	aagctcactc	actgtagctt
14281	caaacacctta	agctcaagtg	atcctcctgc	cttagcctcc	caagttgctg	ggactacaag
14341	tgcccactac	tatgtctggc	taattaaaaa	aaaatttttt	ttttaaagat	ggggtcctgc
14401	tatatgtatc	aggctggtct	caaagcctcg	gctcaggcg	atccacctgc	ctcagcctcc
14461	tgagttactg	ggattataag	caagagctac	gtcacccagc	gtatttggtt	tttaaatgtc
14521	atcttcttta	tgggttagtgt	tttatgcatt	ttgtccaagg	aactgttacc	tactctaggc
14581	ctgtgaacat	agtctctgat	attttcttct	aggaagatta	tgggtctgag	ttttatattt
14641	agatctataa	tccatctaga	attaaatttt	atgtctggag	taagactggg	ttaggtttat
14701	aatttttatat	acagatatct	aggttatata	gcaccatttg	ttaaaaagat	tttcccttct
14761	ctattgaact	gacttggtgg	ccctctggta	ctatttaaga	aatgtgtcta	atccatattt
14821	actaagattt	tcttgtagtg	tttcttttag	aagtttagtt	ctatgggtcca	tttcaagtta
14881	atttttctat	acaacatgaa	gtaagaaatg	agattcttct	tcttttccct	gtgtctactt
14941	gttctatcaa	ttaaagaaga	gggcatttaa	atctccaaat	gtgactgtag	atttgtccat
15001	ttccttccct	agttctgata	atttataact	catgtatttt	gaaagtatta	ctaggtatgt
15061	cttcttgatg	aaatgacact	tttatctttc	tcgctgcttt	tataattatg	aaatctatgt
15121	ataataacat	tatttgtctt	aaattctatt	ttgtctcata	ttaagacagt	agcttttagta
15181	tgctatttgc	atagtgtacc	ttttttcact	tttacttaca	acccatgaac	cttttatattt

FIGURE 1-E

15241	aaagtaaatt	tctgataaac	agtatatagt	ttgggtcttg	ttttttgaac	caagccgaca
15301	atttctgtat	ctttaaatacg	tagcttttaa	gatttagataa	agaaaattta	agctgtcata
15361	gtttcagatt	agatatagat	aagatatagt	taagatacag	ttataggtaa	ggtatagata
15421	agatgtagtt	tcagattaga	tatagataag	aaaattgaag	ctgctacagt	ttcagcttct
15481	tgggaggctc	aggcaggaat	atcgtttgag	cccgttaagt	tgaggctata	atagtgtctc
15541	atgattgtgc	ctgtgaatag	ccactgtact	ccagcctagg	caatgcactg	aagccctgtc
15601	tcttaaaaaa	taaaagaaaag	aaaaaagaaa	agaaaattta	taaacttgaa	ttacaaggag
15661	acagagctgt	aaatatgaaa	ttgggggttaa	cagacatgaa	aaacagattc	acatccactc
15721	ataggagttt	agggacagag	tacatacaac	atgggaaaag	caaaatttga	aaagacaatg
15781	gctaagtctt	cagaattgat	gagagaagtt	tttagaattg	atgaaagaca	tgactcctct
15841	gactcagtag	gcataatgaa	tcccaaacac	aataaataat	atgctagaca	tcgacaaagt
15901	ttcacatttt	agtgaactcg	cagcacatca	aacacaaaag	atcttacaag	cagccagcaa
15961	acccccacaa	gtcacctacg	aacaagacag	agtagacttc	tttcggttaa	tagaaacaac
16021	acgccagaca	acataaaaca	gtatcttcaa	aatactgaga	ggtaacagct	atcaacctgt
16081	gtaattctag	attgaactaa	cttttaaagt	gaaataaaat	aaagatactt	tcagataaag
16141	tctagaatat	ttacgattaa	ggaaccattg	ctgaaagcac	aatcaagggt	cttgcacact
16201	aagggtgcatt	tagatatctg	aagggcattt	ttgcttttta	caatgactag	ggagttttac
16261	tagcatgtag	catgtatatg	aaagctttta	aaaaaggga	attttcggcc	aggtgcagtg
16321	gctcacgcct	gtagtcccg	cactttggga	ggccgaggtg	ggaggatcac	gaggtcagga
16381	gatcgagacc	atcctggtta	acaaggtgaa	accccgctc	taaaaataca	aaaaaattag
16441	ccaggcgtgg	tggcgggtgc	ctgtagtccc	agctactagg	gaagctgagg	caggagaatg
16501	gcatgaaccc	gggagcgga	gcttgcagtg	agccaagatc	gcgccactgc	actccatcca
16561	gcctgggcaa	cagagcgaga	ctccatctca	aggaaaaaaa	aaaaaaaaaa	aaaaaggga
16621	aattttctat	gaagagcaag	acagtcctat	acaacaaata	actgtacaat	ccaatgctg
16681	ttagtgtgcc	actgagaaac	acagaagagg	gaagatacaa	gatgggacgg	taacaaaaaa
16741	ttgtatgacc	tgtggattaa	cttttaataa	acaaaaataa	aaattacaat	ttatgggtat
16801	aaacatgaaa	cagaagttaa	atactagaaa	tggcatgatt	agaattaaag	tttcccaag
16861	tctgtgtgtc	acagtagaac	tataggtaag	ttttagacaa	aaattgtgta	tgggtaacaa
16921	cataagcaca	caaattgaaa	gtaagaagag	gagaaaagat	gacacaaata	tcaagccaaa
16981	aaaaaaaaat	cagccacatt	aatagcagac	aatatagatt	ctagggtaaa	accactatta
17041	taaatcaaga	tgttcattac	ataataacaa	ctataaaact	atgtgtaccc	aataatacaa
17101	tttcaaaaga	catactaaaa	aaacctaatg	ctatgaggac	caactgttga	accctatgtt
17161	gggtagcttt	aaaaaaaaat	tatttggata	gctttcaaaa	cctcaataga	tcaagaaggt
17221	aacagattaa	agtataaaga	agtacacaag	taacaaactt	gagttaatag	acacatagca
17281	aactttcYag	tcaataaata	gagaacacat	aatttcttca	agcacattta	taaaaactga
17341	cccctttcta	taaaagaaca	cctattatat	aatatgttct	ctgacactac	aattctacaa
17401	ttaaagctga	aaatgttaag	aaagtaacca	agatatcccc	attactttag	gattataaaa
17461	aacagaagac	cttgctttta	aaataggtcc	agtgaaaata	acaaaaacgt	gatcttgact
17521	aacgtgtctt	accgatataa	tacgatctcc	ttttctgagc	tctccactta	gatcagcagg
17581	tcttccggct	aagataaagg	aaataaatat	tccttctcca	tcttctcctc	ctacaatgtt
17641	gaaaccaagg	cccgttgagc	cacgatgaag	aacaactttt	ctagggttcc	taaaaattaa
17701	aaaaaatgga	gtatcttgga	aattttatat	aaaacctgac	attctatcag	tgagaaactac
17761	ctactgataa	tttttatgtt	atcaaaactac	aaagaaagct	agacaaaata	taaatggttt
17821	ttctaaaact	acgagataaa	gagattctaa	gcctacaaat	caaaggaaaa	aatctaattt
17881	tatataaaag	caaaaaacct	gtgttatata	aaacagaaat	gaaaccaaaa	cagaaaaaaa
17941	acgtggaaat	ttaaaagtat	tataagagct	tatcaggaaa	tacacatact	catgaaaagc
18001	tgatgttgca	cactttattg	ccttcaaagc	aatcactgcc	cctacttaga	agtttaaaag
18061	gcaggtatcc	ttttgtctta	gagaaggcag	gccctttctc	cagtctcaaa	gggatgaacc
18121	ataaccaacc	taaacaagtt	attgcaatcc	catgcccctt	tgctgaggtg	agagtataac
18181	cccatcttaa	cctctggtaa	atgaaggga	attttattgt	cattttctag	agacagacaa
18241	accttatcaa	ggacaaaagc	ctttgtgcac	cttccctttc	tcaaaaaaac	gaaacaaaat
18301	aaacaaaacc	ccacacgact	gaataataca	atccctttac	tgggttgga	atattataat
18361	caggaagggtg	aaaccaagag	tataccgaag	acaccacagg	cctaagggtg	ctataccaac
18421	cttggaatg	cccatttca	ggctttttat	atgaaataat	taaaacctat	ctgcaggggc
18481	acaggtaggt	tttatcatat	tagtgatgtt	ttatttccta	aattagatgg	tgaattccgg
18541	atttactggt	cccattatgc	tttaaaatat	gtatgaatta	gaattttata	tagggaattt
18601	atacttgatt	aaaaaatact	cagctgaaat	tcaacagtat	ttccagggga	aaatacactc
18661	tgattttcaa	ataatgtaag	cacatgaaaa	ggtgctcaac	atcatcagtc	actagggaaa
18721	gagatataaa	aataatgaga	tacttcaggt	ctactaggat	ggctattaaa	aaaaccacaa
18781	aacaaaaagt	aacaagtgtt	gatgaggatg	taaagaaatt	gcaactcaca	cattactgat
18841	gagaatataa	aacggtgcag	gcactacgaa	aaccagtttg	gtgggttcctc	agaaagctaa
18901	catagaatta	ccatatgact	cagcaattcc	acccttaggt	atatatccca	agtaactgaa
18961	agcagtgatt	tggacagata	cttgcattgc	agtgtttatt	atagaattac	tcacaataac
19021	caaaagggtga	aaataactca	agtgcccatc	attagatgaa	taacaaaaat	gtggcatata

FIGURE 1-F

19081	tgtataattg	aacagtattg	tcataaaaaac	aatgaaatt	ctgatacatg	ctaacaatg
19141	agtgtatctt	gacaacataa	gtgaaatagg	ccagtcacaa	aaggacaaat	attatacagt
19201	tccactttta	taaactatcc	agaataggca	aattcataga	gacaaaaagt	agattaaagg
19261	ttaccagggg	ctgggaagac	agtggaaagg	agaattactg	cttaatggtc	acagagtttg
19321	tctgaagtaa	tgaaaagggt	ttggaaatag	tgaagggttc	cgaaaattgt	gaatgcaatt
19381	aacactactg	aattgtacac	ttaaaaatag	ttaaaatgtc	aaattttgtt	atatatattt
19441	cgctacaatt	tttaaaaact	gatgtaatat	accacaaatt	gtatacttta	aacaggtgaa
19501	atztatgata	tgtgaatcat	atctcaataa	agctgttaaa	aaataaactt	tagaaccaaa
19561	atgtaggtat	gttgtgattt	ttttttttac	ttttttgata	ttggtaacat	ctgaaagact
19621	gcttaaagtc	aaatttgtgaa	gaacttataa	tgttggaag	attttatact	tcattattac
19681	aaagtagtgt	gattatcaaa	agggagtgg	tcatacttaa	aagtccaatg	caatattcta
19741	gacaagagac	tcaagtgaag	aagcatgagg	aacagtaatc	aaggtgcaaa	tataacttat
19801	tttttagttt	gtaaaatatg	caaagagatt	aaagactaga	taagccattc	actattacag
19861	ttccctctt	tacggcctta	aataggcact	attagaaagt	aataaaaaata	aatggcaatg
19921	aaaggtcact	ctagaagcac	tgcctgaaga	ctagcagcct	tggatattcc	catcacaac
19981	aaataagaac	actattcttt	ctgctaattt	tcattcccaa	cacaattact	gacaacctat
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20101	taaagatcac	tgcctagaat	caggagtctg	ataagtaaaa	aataataata	atgctaacaa
20161	taatgtaatc	aataaacggt	aagaacagac	attacttagt	acacatttta	atgttgaatc
20221	tgtaatataa	aagacgtgta	caaattacaa	agcaaaactct	atagtgtctt	attactatat
20281	tgaataatat	gaaaaagatc	tacaatgctt	tttcaccaat	ttttttctac	ctcattagaa
20341	ttctttggga	ttaaaaagac	agttaattcta	tacatttcag	tgcaggtagt	aatttttagat
20401	gaaagtaaat	tttgtgtgtc	agaatatcaa	ggatatatag	caaacaaaca	aaccaccca
20461	ccagccaggc	aaaggggatc	acgcctgtaa	tcttagtacc	tagggaggca	gatacgggag
20521	gatagcttga	gtctaggagt	tggaggctgc	agtgatgtac	gttcatagca	ctgcactcca
20581	gcctgggcaa	cagagtaaga	ccctcgtct	aaaaccaaac	caaaccacca	cttattgaat
20641	tctgaacaca	aatcaaataa	ctgccatatt	tttatggtat	atattagata	aggaacatat
20701	aaaatgttac	tttaaaatat	gcataagaat	tttcttaact	tagttttact	aagctaattc
20761	ctaaggacaa	tttaccaagc	ctcaaagaaa	agcagtatta	attttaaaaa	aggagtggta
20821	atztatttgt	aaaaataaaa	catgtatatt	tcaggctctt	caatgaatcc	tcctatggaa
20881	aaaaattaac	ctttaagctc	actaactgtc	aataaaattt	tttagtccta	aaaattgtgg
20941	ctatcttaca	tggctgatta	aaattcaatt	taatagttag	ttttatgtaa	gaaggataaa
21001	tgttaacttc	cttaccttgt	aatttcatca	tctccaagta	ctgctttaga	aactggggag
21061	tatctggctg	gagatgctgg	tgtctggccc	aagaagggaag	atgggctaac	atggttatca
21121	acaggctgag	aagaagcttc	aaaataaaca	aagtgaaaaa	tacttcaaac	acgaaacaag
21181	ccaatcagta	ttccatttat	gagtgattaa	tgtgtaattt	atatgcactc	ctttatatat
21241	cagaatttgg	tagagaagat	ttactctca	gccaaaaaac	tggacattat	gtgtcccagg
21301	ttagtctcaa	actcctgtcc	tgaagtgata	ctccacctc	agcctcccaa	agtgttggga
21361	ttacaggcat	aagccaccac	acccagatta	cttaagaagt	tatatacagt	ccaaatttga
21421	ttgtgaataa	taaaaatcag	aggctttcca	ataagtgcga	aaagactatg	tccttatact
21481	agctcagatc	tgtcaaccta	atttacctct	atgcttttaa	attcacccat	agaagaataa
21541	aaacctggta	aaaagcaaaa	acgaaaaaca	agcaaaaact	gtcgtccagg	cgtagtggct
21601	cacgcctgta	accctagcac	tttgggaggc	caaggcaggc	ggatcacctg	aggtcaggag
21661	ttcgcgacca	gcctggccaa	catggtgaaa	tccatctct	acaaaaaaa	tacaaaaatt
21721	agccagactt	ggtggtgtgg	cctgtagtcc	cacttactcg	ggaggctgag	gtgggagaa
21781	tgcttgaacc	tgggaggtgg	aggttgcagt	gagccgagat	cgcacactg	cactccagcc
21841	tacgtagggtg	acagagttag	atgccctgtc	tcgagaaaaga	aaaaaaaaaa	aaaaaaagca
21901	aaaaccaaac	gttggttcac	ttcaatagta	ataaatacca	catatagggt	ttccattcta
21961	gcaaaagcta	ataacagaaa	attatagtga	ttcctgacca	tgctttctaa	agacacaggt
22021	aggtaacaca	tggcagctgt	agcttacaaa	gacataagac	acttgaatta	ttccaatcat
22081	taccaaaaaca	cagaggaagc	aataatttaac	tttcttgagg	cttcaactat	gataaagtta
22141	caaagcactt	caaaagtagc	tgtattattt	aattatcaag	cattaatctc	ttttttatta
22201	aattagagca	tatcttctat	ggagggaagc	agcatactac	gcactggagt	acaaaaatgc
22261	aggaattatt	agttcaaatt	actatagtgg	ccagataggt	aacataaagg	aataaagtga
22321	actggatgaa	agacaacagg	aaatagctga	aacgatagta	tttttagagt	gcagtgtatc
22381	tattgatatt	acaggtttgc	agatctcaac	agcaattgtt	tcctatccag	ttcatatata
22441	agatgctcgt	ttgtatttga	gccaaaggac	tttctaccaa	tggctcttaa	ctttgaaagt
22501	ccaaagtctt	tcctgggtgg	tcagtaagaa	tatgggattt	tcaagtgaat	tggtagtag
22561	ccctcaatca	atagataccc	acgtgaacct	ctacaatcac	tagcctgtta	aaaatccaga
22621	gtttactgat	ttttgactct	taaattcttt	tgtctgattt	tcatatattg	atgaaacaaa
22681	aaaaacaact	agacaagaaa	tcagtcataa	tgcccaaacc	agaaaatata	cattttccct
22741	gacacatcca	gactatccct	ttagtcaatg	catcctttct	ggggcagtta	atctcacatg
22801	taccacatac	tctcagacaa	cagagactaa	aaattaatgt	tcctatgaaa	gaaatgacgg
22861	cctcaaagaa	ggatcagata	aaacagtact	atttcttata	cccaaattct	tatgtaaaaa

FIGURE 1-G

22921	gggtcccccag	agaagcacaa	gagtgcctaa	ttcattttttc	ttatatatta	agatgaatga
22981	ttcaacacta	taagattttta	tagaaaagca	agtagaagag	cttgaagtga	gaatgggaaa
23041	agactggtgt	ccaaatcaga	agtagcaagg	ccatgcagct	aaagagaata	taagttaaaa
23101	gcgagaaaaat	atatactgta	aaaaacagga	acatttttaat	gtcggcagag	aaactgtatt
23161	ctctgttaga	ttcaacagac	ttctttttttt	tcctactttt	attcctgagt	atcatatttt
23221	gactacctta	ttttggttat	aaacattgtg	gctctttatc	ttctatagtt	catgtataac
23281	ttctatgata	ttccctattt	cttttactat	tcttgctaaa	aatattttttc	taactagtac
23341	aaaaattggt	ttccaatttt	gacatctgct	cacttgcaag	gctgcctctg	tgagaaacat
23401	cccctccatc	aatgcttgac	aatcaccaca	aaaaaaaaa	aaaaaaaaa	tcaaatgtta
23461	tctagtccct	ttaggttaaca	agagaaaagaa	aatctgaaca	ttcttgtgtc	tgctaaggaa
23521	aatgcattca	gaactaaaa	ccttcccag	aaaactccag	ggccagacag	atagatagct
23581	tcatgtgaaa	attcaacaaa	acattctagag	atgaaataac	attctgaaac	attacaagac
23641	agaaaaat	caggacacta	tcgttaagtt	catgcttggt	aacacagatg	taaacctaaa
23701	caaaatataa	gcagtcca	atcaatgata	tataatatat	attataagga	tgtgggtttt
23761	ttccccccac	aaatgaatgg	tttagcggtta	gaaaatcaat	gtaattttatc	acgttaacaa
23821	aataaaaagag	aaaaatcatc	tccataaata	attggataaa	attcaatact	tacaggataa
23881	aaactcccca	taaacacagga	ataaagatta	actttcttaa	tacaaaaagg	gtatctacag
23941	aagacctgct	ggtaacacca	tatacaatgg	tgaaatactg	tgtccccag	tttgtgaaca
24001	tgacagtgat	atttattatc	accatttctg	ttcaacactg	aactggaggt	cttaccaatg
24061	catcagacaa	gaaaaaagaa	aatgaacagt	ataaagatag	gaaagaagga	agtaaaattc
24121	attgtttcaca	gatgacatgg	ttatatcagt	agacgatctg	aaagacctat	aaaacctaac
24181	attaacaaat	ttagcaagat	tgttgactaa	gcaattaata	tacaaaacag	atatttcccta
24241	tatatcagtt	aaaattagaa	acattttacaa	agtagtacat	ttataatagc	atgaaaaaca
24301	tcaaatagcc	aggactaaat	ctaacatata	aaacctctac	tatacaacac	tgacagagaga
24361	atgtaagaag	gacttcaata	aaagaagaga	tattcatatt	aatggactga	ttaagaaact
24421	caatttaatt	cttcctaaac	cgatctgtaa	tgtttttgat	cctaaaatta	aaaaggaaat
24481	tcaaaagacc	aacataatct	tgaacagtaa	caaaattaag	atttacttta	catcaatatt
24541	tattataaaa	ttatgataat	taagagactg	caggtggtac	aaagacaaat	agttcaatga
24601	aacagaagag	cctagaaata	ggttcataata	tatgtggtca	cttaaaagaa	aagcaccaat
24661	gcaatttcagt	ggcagaaatg	gtcttttcaat	aaatgatgct	agatcaatta	tatatctgca
24721	tattataaaaa	tctctcatta	cattgcaaaa	ttagatcaaa	atggatcgga	tgtgcaaaaa
24781	aaaggcaaaa	taataaaagct	cctacaagtc	ccttatgacc	taaggatagg	aaaaatttca
24841	acaggctcact	aaaagcacta	ccttaataga	aaagactgat	aaggaattaa	aaaattttat
24901	ccatcaaaaa	gtaccattgt	tttgaggga	aacataaaact	cagtgaagac	atctgcaaca
24961	gatgtaactg	attagagtta	tttctcaaat	acataaaact	tcctttaaat	caataataaa
25021	accaatggaa	aaatgtaaaa	agatttgaac	agacattgca	ttgaacaaga	gtcaaagcaa
25081	taagcacagg	caaaaatgct	gaaaataatt	aatcatcagg	aacaaccagc	aataaatgaa
25141	taaataataa	tcattaaaat	catgagataa	ctttatacat	atacatacta	ttcataatta
25201	aaaagatgga	taataccaag	ggttggtgag	gatgtagaaa	aactggggtc	ttaattgcct
25261	cctatactgt	tgaaattggt	cagcagtatc	cgctggagac	taaacatatg	cctaccctgt
25321	aacacagcaa	cctcactcca	tgagaaatga	ctgcttatgt	ctgacaagga	gtgcaaaaaa
25381	catccacagc	agctacactc	ataaaagatc	agaactgtaa	gtgactcaac	agtaaaatga
25441	aaaaaattgt	tgtacactta	tacaatggaa	taatacatag	cagtttttaa	aagccatgtg
25501	actgatcatt	aagctaaatt	cttaaaattg	gtacccttac	tgaatatatg	ttttaattca
25561	attaaaaaatt	aaataaaagag	gtcaggtgca	gtggctccta	tctgcaatcc	caacactttg
25621	ggggcactga	ggcaggatca	cttgagggtta	ggagcttagg	caacatagtg	agaccccatc
25681	tctacaaaac	aatttttaaaa	attagctggg	catgctatcc	tagacacttg	gRaggctgat
25741	gtgggaggat	ggcctgagcc	caggaattca	aggctacaag	gaactatcat	cgtgtcactc
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25921	cccaggctgg	actacagtgg	cgcgatctca	gtcactgca	aactccgcct	cctgggttca
25981	agcaattctc	ctgccttagc	ctcccagta	gtggggactg	caggcacttg	ccaccatgcc
26041	cgggtaattt	ttttagtatt	tagtagagat	ggggtttcac	tggttaggcc	aggatggtct
26101	tgatctgctg	acctcatgct	ccgcccgcct	cggcctcaca	aagtgcctgg	attacaggcg
26161	tgagccaccg	tgcttggtct	cttttttaag	agatgggtct	cattatgttg	cccaggctgg
26221	agtgtagatg	ccagacacag	gtgcaataat	agtgcactat	aacccccaaa	ctctgggtt
26281	caaacaaccc	tcctgcctca	gcctgccaaa	taattgggac	cacaggcacg	caccattgtg
26341	cctggctttt	ttcctttttg	atgtgaagaa	gtcttaacat	ggtaggaaaa	tcagctctcg
26401	gtgatattaa	gcagagaaaa	ggagcagtg	tagagaggta	tcttaagact	gtaggacgat
26461	ccctcctatt	tccttcagat	aaggagtatg	taaacaatgt	cgtgtgctga	tggtaatgat
26521	ccagtagaca	gaggatttga	ttatgcgaag	gagagaaggg	acagctgcaa	gaacaagatt
26581	ctctgcagac	aacaaacaat	gacattcagt	atacaaatgg	aagacctgg	tttcaacagg
26641	aacaatgaca	gtgactcca	ttaaaacaca	agtgaagtc	gagtttcggg	gtaaaaatat
26701	aattacatag	gtatatctga	aagtggaaaa	ataaggaaat	tctcttctgg	gtgcttatat

FIGURE 1-H

26761	gaaatatgaa	gtgagatcat	cattcatgaa	tagtagatgg	caagtgaagg	tttgagggga
26821	gagaaaaatt	cttttagagt	ggagagtga	ttagggaaat	gtagtaggac	tgagggaag
26881	agtaaggcac	tatctatgat	ttatggccat	acgtaaaaag	caSaattttg	tgcttttctc
26941	catgggttctg	cttttttagga	accataaatg	aaatagcaga	gtttgcctgc	accagtgttg
27001	ggggatttctg	ctgcgaagaa	gaagggggca	aaggacttga	agatgtgcaa	tgaagtgaac
27061	atgagaaacc	atggaatcta	agctaataca	aatagaaaaa	ttgagacaag	gggcaacaaa
27121	ataataatgt	caaatgactg	aaggtcaaaa	tgagatggaa	ttgctagaat	agaggtgaat
27181	gaactgaggg	ttgtagtcac	acaatgggat	gatcaaactg	gtattttaga	ggtgatgaaa
27241	gttaataatt	atagataaca	aaatctaaag	tattatctta	gaagcaagta	actgagttga
27301	agtggagggc	aggatagtca	gaaagagatg	aagaaaccaa	aaagtcaggg	tggtggatga
27361	atcattagtgt	tggtttttgg	acatgaccag	gaatgacagc	atgagtaaca	gtggcaaac
27421	gacaatgggc	cttcgcacta	agtccttcag	tgactacagc	cagactgatg	aagagaacac
27481	cagatcacca	cagccaggga	tagagagtaa	gctgaatagc	ctgacagcag	ggtgactgtg
27541	caggcttcag	aagaactgac	aagtaaaact	cacttatgta	aaaaaaat	aaacacaagt
27601	gcttttcaaa	aaacacaaac	agattgttta	tgaattgcat	atgcagaagt	gtacaacgaa
27661	accacatct	acagttgcct	aagaagggaa	gggactggaa	gcaaaatatt	atgatcaagt
27721	tgaactgca	aggtgaatgt	cagctttttc	ataatgcttt	attagttcaa	taacagatgg
27781	gggaaaaagt	aacataatca	gctgggctcg	gtggctcatg	cctataatcc	cagcgctttg
27841	ggaggcogaa	gtgggtggat	catctgaggt	cgggagtctg	agaccagcct	gaccaaacat
27901	ggagaaaccc	cgtctctact	aaaaatacaa	aattagcagg	gcgtggtggc	gcatgcctgt
27961	aatcccagct	actgaggcaa	gagaatggct	tgaatctggg	aggcagaggt	tgtggtgatc
28021	cgagatcacg	ccactgcact	ccagcctggg	caacaagagc	gaaactccat	cttaaaaaaa
28081	aaaaacaaca	taatcataat	cagggcacta	atactcaatt	cgtggaacaa	ctgtcacaat
28141	gtgcacatgg	ttattagata	ggcagcattt	aaaataagat	acttgaattg	atgaataaaa
28201	tggtctatta	tttaaaaaat	acacaaagcc	tttatataaa	gtttatgtgc	tagaggaagt
28261	atatgtaaga	atttcaaata	agtgaacagg	ttcttttctt	tgacacaaaa	gaagtataag
28321	acaccatccc	tgtacatcag	acaggttaaa	tactattaag	gaaataattc	aattatactt
28381	gagcaattaa	taaatcaatg	agcagataat	gaagatacat	tactggaggg	cagtatgtag
28441	atttcaaaat	gtcatgtttt	taactgataa	tgattagtaa	tataatgaat	cttgacagtt
28501	ctaaaatttg	aagcactggt	acttttaaaa	tcaccaatat	ttctaaaaat	ctacaattta
28561	aaaaaggagc	actcaaaagc	aggttatacc	cagtacgttt	aagatcttta	ttatttacgg
28621	gttcttcaaa	cattaaactca	atgcaaaaga	caaatacaga	tttcatTTTT	ccaccaatac
28681	aaacacatta	aaaaatatac	ttaaatctct	tctcagctta	tatatTTTaa	aaactgaata
28741	taaaatggcc	aggtgcgggtg	gctcacgcct	gtaatcccag	cacttttgaga	ggccgaggga
28801	ggtggatcac	ctgaggccag	gagtttgaga	ccagcctggc	caacatggcg	aaaccccgtc
28861	tctactaaaa	atacaaaagt	tagcagtgca	tggtgtcgca	agcctgtaat	ccctgctact
28921	agggggggctg	aggcaggagg	atcgcttgaa	cctgggaggc	ggaggttgca	gtgagctgag
28981	attgcaccac	tgactccag	cctgggcaac	agagcgagat	tctgtctcca	aaaaaaaaaa
29041	aaaaaaaaaa	aaaaaaaaaa	aaaatatata	tatatatata	tatatatata	tatatatata
29101	taaagtaaga	aacctaaaaa	tacgtaagta	ctttaagaac	aatttaataca	actgcaacac
29161	aactgaactg	catacaaata	taagcactag	aacctgaaag	tacaaagata	aatgatatct
29221	ctcctcatgt	acctaagagc	aaagaaaatc	cctttaattt	tagatatatt	gtaaatcagt
29281	gtttctcaaa	gtgcaggcca	tgaactagca	gcaccagaaa	cctcagaatt	acagacatac
29341	ctcagagata	ttacagttcc	ataccacagc	aataaagcga	atattgcaat	aaagcctgtc
29401	attataaatt	ttttggtttc	ccagtgcattg	tacaagttat	gtttacacta	tattaagtaa
29461	ggaatagcat	tatgtctaaa	aatacaatgt	acaggcctta	atttaaaaaa	actttattgc
29521	taaaaaaaaa	ccgctagcaa	tcatctcagc	cttcagcaag	ttataatgtt	tttgctgggtg
29581	gagcatcttg	ccttaataat	gatagccttg	atactgaggg	tggtagtgtg	tgaaggggtg
29641	ggtgcctgtg	ttaatttctt	aaaataagac	aaaaatgcag	ttggccatat	ccactgactc
29701	gttcttttac	aaaagatttc	cctgaagcat	gtgatgctgg	tttgtagca	ttttaccac
29761	agtagaactt	ctttcaaaac	tgaagtgaat	tctcttaaac	cctactgctg	ctttatcaac
29821	taagtttatg	taatatccca	aaatcctttg	ttgccgtttc	gataatgttc	acatcatctt
29881	cacctaccag	gattagattc	catctcaaga	aaccactttc	tttgattatc	tataagaagc
29941	aactccttag	ttgttaaagt	tttatcatga	ggttgacagc	attcagtcac	atcttcaggc
30001	tccacttcta	attctagtct	tcttattatt	tctaccaatt	tgcaagtaac	tctgccacta
30061	aagttttgac	ctgttccaag	tcatccaaga	gggctggaat	caacatcttt	gaaacctctg
30121	ttaatgctga	tattgtgacc	tcctcccatg	aatcatgaat	gtccttaaa	gcatctagac
30181	tggtgaatcc	tttgacaga	gttttcaatt	tactttgccc	agatccatca	gcggaatcac
30241	tacctatgac	agctatagct	ttataaaatg	tatttcttaa	atagtaagac	ttgaaagtca
30301	aaattatttc	ttgatccatg	gactacagag	tggaatgacaa	gttagtaagc	atcaaaacaa
30361	catcagctctc	cctgcacact	gccatcatag	ctcttgggca	gctaggtgca	ttgtctcaga
30421	gcactaatat	tttgaaagga	gtgttttttt	tttgtttttt	tctgagcagc	aggtctcaat
30481	agttggctta	aaatattcag	taaaccatgc	tgtcaacaga	tatgctgtca	ttcaggcttt
30541	gttgcttcag	ttatagagca	caggtttcat	tacagttata	cagaacaggc	agacaggctt

FIGURE 1-I

30601	agcataatctt	cttggattttt	ctggactggt	aatgggcat	tggcttcaac	tgaaaaatcac
30661	cagctgcatt	agcaactaac	aagaaagtca	gcttgtaactt	tgaagctttg	aagtcaggca
30721	ctgacttatt	ctctctagct	gtgaaagtcc	taaaagggtgt	ctttttccag	tagaaggctg
30781	tttcatctac	attgaaaaat	tgttggttg	tgtagccact	tccattaagt	atcatagcca
30841	gatcttcttg	ataacttgct	gcagctccta	cagcagcact	tgtgtcttta	ccttgcaactt
30901	tcatgttata	gagatgactt	ctttccctca	acctcatgaa	ccaacccctg	ctagcctcac
30961	attttctctt	tacagcttcc	tcacctctct	cagccttttc	agaattgaag	cacagttagg
31021	gtcttggtct	ggattaggct	ttgggttgaa	ggaatcttat	ggttggtttg	atctatctag
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31141	gttcaactga	acagtacttt	taattttctt	caagaacttt	tccttggcat	tcacaacttg
31201	gctaactgca	gcaagaggct	tagctttctc	cttttattgc	cattgaacat	gccttctca
31261	ctaagttaaa	gttttttgac	atataatgac	aaatatgcaa	cttttcactt	gagcactcag
31321	aggtcattgt	agatttatta	actggcctaa	tatcaatatt	gttgatctct	ggggaatagg
31381	gaggcccgag	gagagcgagg	gagatagggg	aatgactagt	catcagagga	gcagtcagaa
31441	cacacacatt	tatctattaa	gcttgctgtc	ttatatgagt	gtgggtgtgg	cactccaaaa
31501	caattaaaaa	agtaacatca	aagactagt	atcacatatt	actgtaacag	atataataat
31561	aatgaaaaaa	gtttgaaata	ttgcgagatt	tacccaaatg	tgacacagag	acattgaagag
31621	acatgaagt	agaacatgtt	gctgaagaaa	aaagggtgctg	ataaatttgc	tcaattcagg
31681	attgccataa	accttcaatt	tgtaatataa	gtagtctctg	tgaagtgc	taaaagcaag
31741	cccaataaaa	tgaggatgct	ctgtactttg	cttggttaata	gaatgaacgg	cttggtcaag
31801	caaatctctg	tgctcaagt	gaaaaactag	aacaaaacaa	tttcaatatt	tgcaaatgtt
31861	ctttagttag	tggtacttac	atataaagttt	gaaaaatcctt	taaatgtaac	tactactata
31921	aaataataaa	ggtgaaaagg	atccccccct	tctaattata	aaaattttga	cttaaagtag
31981	attttaaaaa	atgagtagat	taacatgctt	aattgtttct	ttaaaaatat	ttgcataatg
32041	tttaaacttt	attatactga	gaacatttca	ctaattggcat	cacaactgaa	gaagtaagat
32101	aaatttaagc	aaacgtatgc	taacagactt	acagttgggtg	atatcaggtg	gtgcatagcc
32161	atcattcata	tacatacttg	tgggttttgc	cactttcaca	taaacaaaaa	cagatgtggt
32221	ctttaaggca	gttactgctt	cttcatgagt	aacttcttct	aaacatacgt	tattcaccta
32281	aaaaaagtc	caaaagacat	ttatgacata	ttcacttggt	ctctgagttt	tggaaacaat
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32401	aaaataccca	tgtttgatgt	ctatgatctc	agtaagttgt	ttatcatgac	atgtgaagtc
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32521	tcttgatttt	ctctcattct	taggcattta	ggaatgtgtg	tggatgcgtt	ttagacattt
32581	ttatctttta	agaaatgaaa	acatactaaa	atttttgttt	ttatgttagg	atttttaatg
32641	taaggtagct	tagagactgt	tccatgttgg	gacacaaatt	aatagaatta	ctacattgta
32701	acaaaacagc	tgacagtag	cccattgtgt	ggctatatca	taattttatta	aagatcatat
32761	ctgttaatat	tcccatattt	agattggaaa	actattagaa	cacaattgag	cacaaatatt
32821	taaattgttc	tcctaaatgg	tttttagtaa	tttatactca	ctaccacaga	atatgagagt
32881	gcccattctac	ttagaccttt	gccaacatta	aacattatca	actaatttaa	aaaatctgta
32941	aaatgatgca	tcttttaatt	tatacatcaa	ttagttttta	atttctactt	tcgtaatact
33001	caagttgatt	ttttttcaat	tattttttgg	ccattcacct	atcttctgta	tagaaatata
33061	actgattttt	aggtagtgat	gtatcctgga	accaatacta	aactaattta	ttagttctat
33121	tagcagggtt	ctaggatagt	ctatatacaa	tatgatgaca	tcagcaaata	tagttttatt
33181	tcttcctttc	tttttttttt	tttttttttt	tttttttgag	acggagtctc	gctctgtcgc
33241	ccaggctgga	gtgcagtggt	gggactctag	ctcactgcaa	gctccgcctc	ccgggttcac
33301	gccattctcc	tgctcagcc	tcccaagtag	ctgggactac	agggcgccgc	cactacgccc
33361	ggctaatttt	ttgtattttt	agtagagacg	gggtttcacc	gttttagccg	ggatggtctc
33421	gatctcctga	cctcgtgatc	cgcccgccct	ggcctcccaa	agtgtgtgga	ttacaggcgt
33481	gagccaccgc	gcccggccta	tttcttccct	tctaattctga	ttttcttttt	cttttctttt
33541	tcttattgct	ctggatagaa	tctcaactat	aacactgatt	agaagtggta	gtttatgtct
33601	ttctagcaat	ctgtcaattt	catctaagtt	acctcaggta	ttagcacata	gttactcata
33661	atagtctctt	gttttccctc	tttcatgctt	gctttcagaa	atttcagcct	tctctctttt
33721	ttcttggtct	gtctgaagg	ttgtcatttt	gttgattttt	ttttcaaagg	accaactttc
33781	agttttgtct	gtcttcttac	atcttttcta	ttacctattt	cattaatttc	tgctctaata
33841	tttattattt	ccacccttct	gtttgcttta	ggtttggttt	gttcttctct	ttgatatact
33901	tttttttttt	gcaataaagt	aaaacattat	caatgttttc	gttttaaaat	acctgttatt
33961	aacaatatta	actttaatat	atttttcact	ttttccta	ttgtaccttt	atagttgact
34021	attgcagttt	ttaatatatt	cacaaaaaaa	tgtaaaggct	acagaataat	aatttccctt
34081	cactgatgat	taacattgct	ttgcagagtc	tcagcagcat	ggtcattttt	atggctccac
34141	attaccatgc	aaagcaagga	ctgcctgcat	tttgaaatac	atattaaata	gctgtggcat
34201	actgctgaaa	tacacattaa	atagctgtgg	catactgctg	aaatacacat	taaatagctg
34261	tggcactact	ctgaaatata	cattaaatag	ctgtggcata	ctgctgaaat	acacattaaa
34321	tagctgtggc	atactgctga	aatacacatt	aaatagctgt	ggcatactgc	tgaaatacac
34381	attaaatagc	tgtggcatac	tgctgaaata	cacattaaat	agctgtggca	tactgtctgaa

FIGURE 1-J

34441	atacacatta	aatagctgtg	gtatactgct	gaaatacaca	ttaaatagct	gtggtatact
34501	gctgaaatac	acattaaata	gctgtggtat	actgctgaaa	tacacattaa	atagctgtgg
34561	tatactgctg	aaatacacat	taaatagctg	tggtatactt	ctgaaataca	cattaaatag
34621	ctgtggtata	ctgctgaaat	acatattaaa	tagctgtggt	atactgtttc	tttggtggcc
34681	tacaataagc	catgcatcct	ggtattcaca	cccttgtaaa	aatctctttc	tacactgaat
34741	tttgcttgtc	cacgtaacta	gctttagcca	atgaggtaca	gtagttgtga	aggaagaga
34801	agattgataa	aaacaatgta	ccagtgcttg	tcttcttttg	aaagcttact	tttggaacct
34861	agccaccatc	ctgtgtgaaa	ctcaccctaa	ccacgcaaag	agaccactgg	ataattaagc
34921	acctggctaa	cagtcccagc	tgagttccca	gctaagagcc	aacttgccca	ccatatgtgt
34981	cagccaacct	aacagtggat	tttggtggcct	agtacagcaa	agacaagttg	ttcctgccaa
35041	gccctatcca	atctgcagaa	ttgtaaacaa	atacatgagt	ggtgtttttt	agccattaat
35101	ctctgtgttt	tctcacatat	cactagatac	ctgacacaag	agctgacaca	atttgctgag
35161	ggattttaatg	tgaatgtgt	aagatgatga	tcccaaagtt	ttacgccaga	gaaaagttat
35221	ttgaccatct	accagagtcg	tcttctacac	attaagaaac	agtgaccttg	ggagtgaata
35281	gtaaaaagga	gaaaaatggac	aaggagttag	ttctggatta	cttcaatggt	tagaggttac
35341	agatatgagg	aggcaccaga	catcagaaa	acagaatgaa	gagtggtctac	taagaagaga
35401	aataccaaga	taaaaggtga	ctattaggca	aatgaaaaag	tgttagaagg	aggaggtgt
35461	gtcaaactcc	agccagataa	gtcaattaa	atgaggactg	agaattgaat	gattccagt
35521	taattaagag	aacaaaagcc	tcactaaaag	ttgattttaag	agagagactt	gccacaatgg
35581	tatcagcaca	ggttgctgtc	tcctaccacc	aaagccagtt	ctagagaaa	cataaaggaa
35641	aactgggtag	ccaagaaatt	aaaaagtaaa	actgagaaaa	ctagtgaac	agaaggctgt
35701	cttgactgtg	tttggtgtgt	agtgtagagt	gatggtgaga	tggtactggt	tatagtttga
35761	ggaaagagt	gtgatcttag	ctgtgaaagg	ataagttaga	gaaacatagt	tcaagttctg
35821	ctctttcctt	ttcgccatca	ttaactaaaa	aaagtctcct	tgcaacaata	aacagtacta
35881	aacaggatgt	agaacaaagg	aatcttttat	atattgctga	tgtaaatttt	tacaagcagc
35941	ctggaaaaac	acaggatggt	ttttaaaaag	aatgctacta	gtaggataat	caataatccc
36001	atgacagcca	agtaaaattc	ttgtacatgt	tcaccagaac	acacagcagc	tcttccagg
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36121	aaaccagtac	ttgctagtat	atttttaaaa	accaacttcc	tactatgcc	gatccagttt
36181	atgtgccttt	tcagattctg	ctaggccttg	gctgcttgct	cagtggagag	tcctgactat
36241	tatactactt	tcatcttgct	ctctgccttg	cccagttttc	tgagcctctt	ctggctggga
36301	ctgggcatgg	ctgatgtgtt	ccacagactg	agggccataa	catgtcaca	accttatttt
36361	gacctgtcat	accactgcaa	ctctaccatt	tttgggcttg	ggtgaagtgt	tgtgccatgg
36421	agtataggag	ctggcttccc	tagaaactgc	gcccagggga	gttgggtaac	acaatccaaa
36481	agcttgggac	aaataacccc	tagggggtag	acaagagaca	ggagaataaa	agggccagca
36541	gataaacctt	tctttctttt	ctctggatgg	ctggatgtaa	ggtttatgat	gcccggtagg
36601	tttttacagt	gtctgcctag	aagactgtta	tacatgacaa	gcaacaagct	accttataaa
36661	attacagcca	gctcagacac	attctacctt	ctattggctc	tcgttcattc	tctgcttcac
36721	tcctcatttt	tactcactct	agccttcttg	agatcacaca	gccaataaat	accttagcac
36781	tttagctttt	cttcagattc	cgtttcccta	aggaacatgg	actgagacag	ttattgattg
36841	atatggtagt	gctctgtgtc	cccaccctaa	tgctatcctg	aattgtaate	cccagtgtgt
36901	gggggaggga	ccttgtagga	ggtgattaga	tcacggaggt	ggctcccat	gatgttctct
36961	tgatagttag	tgagtctcat	gagatgtgat	tgttttataa	gcactctggc	tttccactgc
37021	tggcacgtct	ctctcctgct	ggcatgtgaa	gaagggcgtg	tttgctttcc	cccaccctcc
37081	accatgactg	taagtttctt	gagtcgtgtg	agtcaattaa	accgctttcc	tttataaatt
37141	accagctctc	gggtaattct	tcatagcagt	gtgaaaacaa	actaatcac	tgatgaagac
37201	tggacaaata	aattgcagta	cagacataca	gtggaatagt	atgtagagat	aaaaatgaat
37261	aacttttagct	ctaagcaatg	atatgggtaa	gtctcagtaa	agcaatattg	agtgaaaaaa
37321	atactggaga	tgaaagtctc	atacagtgca	atagtgtttt	gaaaaagctt	caaaaacaaat
37381	aataactaaac	aaaattattt	aggcatatgt	atataattaa	actttttttt	tttttgagat
37441	gggctttcac	tctgtcacc	agactgcagt	gcagtgggac	aatcacagct	cactgtaacc
37501	tcaacctcct	gggctcaggt	gatcttctca	cctcagcctc	ccaaggagct	gggactatag
37561	gtgtatatca	ccaggtctgg	ttaattttctg	tattttttgt	agagacagg	ttttgccatg
37621	ctgcccaggc	tggtcttaaa	ctcctgggct	caagcaatct	acctacctca	gcctcccaaa
37681	gtgctaagat	tacagacag	tgtgagccac	cacaccggc	ctgattaaac	aatttttaag
37741	aagcaaaagg	ataagaaaca	caaatgggtt	gatgttctaa	ttcttgggct	gggtaattac
37801	taggtttcat	tatactatta	agtgaagtaa	aataaaaaag	ggtcatgcat	agacaaatga
37861	tgacattggt	ttataaacct	aaggattatg	atgaaacact	ctgtgcatac	aagccctcaa
37921	caacaacaaa	ggaataaaa	gaaaagggag	gaggagctag	cagagaaaa	agaaatgaca
37981	aataaagaat	taccaagaat	catttttttag	gatttgatac	agcaaggcta	gtattttgcta
38041	atttaaacat	catttagacc	tttttggtag	ggagaaattc	cagtatctat	cagataaata
38101	aacagactac	aaaatgattt	aaaagacaat	agatttctta	tacttactgc	taaaagttta
38161	tctccaatct	gaagtttgcc	atccttatgt	gctgcacctc	cttcaattat	tttggttaca
38221	tagatgctat	tatccccagg	aatatgctga	tttccaacac	ctccagcaat	gctaaaccca

FIGURE 1-K

38281	agacctgttt	ggaaaacagt	tctagattct	catccataaa	tatgaactta	agcccagaaa
38341	gaaatgggtg	aaaactacaa	ggtaattatt	ccctcacact	aatatTTTTT	aaaatagaaa
38401	agaatctatt	tagttatcta	ctagtatatg	ttctgcaatc	aagggaact	tagacataca
38461	gctgctccta	gagttacgaa	tagattcctt	ttatcccaca	tgttccttct	tagtatcttt
38521	tcgcaaattg	acttggtatt	ccaaagtgac	attgcgaaat	tatgttttac	ttttgtttcc
38581	atcataatta	tgcttaccta	cacttttaat	attttcacaa	gaacaaaatt	attgagaaga
38641	aataacaaca	ttgtctgggtg	atgggtgggca	gaaccaacag	gctttaaaaa	tgtgaataacc
38701	tttgtttctt	ttcaatattc	tatgaattaa	caattttaag	taaggaattt	ctgtaattcc
38761	taaattcccat	agcttcaata	tcagataatt	tctcagctct	ccattccttt	ttcatttggt
38821	gacatcctcc	ctcttccatg	aagccacata	ttgaaactac	tatttccatt	tatcctcaag
38881	ccatcaatgt	tttaaaaatt	cagcaatcac	atcttaacag	tcctttactg	cagatgtaac
38941	tgctcataat	acatattata	aacacttctt	cttttaactt	agcctgtgta	cctgcattta
39001	aagtattttg	tagattatca	caagttaata	gcaataactaa	acttcaaagt	gttcaaggac
39061	acaaatatTT	cactctttta	atgctagaag	tcttcaatat	aagaatactt	aatacaataa
39121	gggacatatc	cacttataaa	acaaatagat	atTTTgttcc	ctacttttaa	aaactcttaa
39181	aaacatgctg	agcaaatatt	gaatataaaa	atcataaaaa	acttataaat	ttatatatat
39241	gctcactgca	gtaaaatgta	taaaagcata	catcaataaa	cgtaagaatt	ttggggcagg
39301	tgcaagtggct	cacacttgta	ataccagcac	tctgcggggc	tgaggtggga	gaactgcttg
39361	agcccaggag	tttgagacca	gcctaggcaa	tgcaaggagg	cctccgtctc	tacaaaaaat
39421	aaaaaaaaatc	agcccagtg	ggtggtgtgt	gcatgcagtc	caagctactt	gggaggggtga
39481	ggtgggagga	tcgcttgagc	tcaggaggct	gaggctgcag	taagccatga	ctgcaccact
39541	ggactccagc	cagggtgaca	gggcaaaacc	ctgcctcaaa	aaaacaaaca	aaaaaacccc
39601	gcaaaaaaag	gaacttttca	aatgctgcaa	tcttggtaga	aatgtaaata	ttctaaatg
39661	ctacgtaaga	caaaaatcag	tagaaataac	ggagaaatta	aatccactc	aagttctgta
39721	gaatattact	aatactgtac	ttggaatgta	tgtcacagat	aaagttcata	ggtatatTTa
39781	actcagagat	ttcttaaaga	tttatcttag	tttgacttac	cacatacctt	taggaccttt
39841	aatgagcttt	atttccatta	tttttctgta	cactggtttc	cttcttttta	catcaagcg
39901	tacaatagac	cctgcttctt	tcaacgcttc	aactgctttg	ctatgtgtta	catcacgaac
39961	atctacttca	tttactYgta	atatacagtc	attgaccctg	agaaaacaat	taaatattaa
40021	aaataaaaaat	taaataataat	ttaaatataa	atTTTccact	ttaccaattt	tttgttactt
40081	ctttttttaag	gtaaaagaaa	ttataaataa	ttctggagta	attccagaaa	acataaatga
40141	agaaaagtata	tcaaaaacta	atataaaaca	atataaaacat	ttcccaaggg	ccagcaaaag
40201	gaacaaaaga	aatagtgaat	ataatagatt	atataaaaaat	gttaataaat	aattacagct
40261	accattttgca	tacttctctg	atgcttattc	tgtgtaggca	ttagacacac	ctttataaaa
40321	atagcaaaaca	tttattttag	actaaccaca	tgccaggcac	tttcttggtg	ttttaaccct
40381	catgacacct	gtaagcttaa	tatatatttt	aatccctatt	tcacagatgg	agaaactgag
40441	gcacaaagaa	tgtaaaatac	tttccctaagg	ccaccagat	aataagtac	agagctgtga
40501	ttcaaagata	agaaaactga	ggctcacatc	acgagtttaa	ggtcacagag	atagtgtgaa
40561	aactgagata	aagtaaaaaat	aattttctga	gtgcctattc	caacctatat	atagacata
40621	aaacaattaa	gttatttttt	gaaatttata	taaagattag	gtcacttaat	tcaaagggtt
40681	cgtaggtataa	gaacttataa	tttgccattg	tgttatgttt	tttaaaagtc	tgatttggtc
40741	ctagtcttag	ccttttccct	agttctggtc	tctttgattg	catgggtatt	caccaggaaa
40801	aaaagatggt	catctcaaat	tgggtagaga	gggtaaacaa	aacataatta	aaatattaaa
40861	actggctctg	acaagcttct	atatctaaca	gaatcaggaa	gtaaatgtct	acattttacat
40921	gaatgggtcaa	atgattaatt	tttatatcta	tttgatttca	ttaatatacc	acctgtcata
40981	cccagtgaga	attataaaag	ttagaaaatt	aaaaactgcg	taaggcatca	acgtccttaa
41041	aataagatgc	tgTTTTtaac	agactacata	aactctttag	tcctaaaaact	tcagggtatt
41101	tgaacaacaa	acaaggaaat	aggaaaaatg	acataattta	tgaccctcaa	aaaaacaaag
41161	tttgcaaaaat	atatcttcca	aaatggaaca	ctaaatttta	acagagacaa	atgttatttt
41221	catctagtca	ataagaaaaat	atattatttta	aagtttgcat	atagtctttg	tggtgtggga
41281	ttcWacatgg	atgtgtgatc	ctctatcctc	cgtatcttaa	ataagtttat	atacatgttt
41341	cccagccaga	gaggaaatgg	aaaatattct	gtgagtgtac	ttaaataagt	ttatacacat
41401	gtttcccagM	cagagaggaa	atggaaaata	ttctgtgagt	gtatctgaaa	acacaaaggg
41461	aaactcatga	tttctaYaaa	tatgctcaca	aagattttaaa	ccatcaacca	aatYtggtat
41521	tcaaaaatggt	ataatatcta	agataaaact	ggagtctaaa	tgaaaacagg	aacacaatgc
41581	ttatagcata	attatctcat	tcattgactt	gaatgttggt	aaagcatcta	ccctatgcta
41641	gttatcatga	tcgtgtttgt	tatttgtatt	tatcccttat	ccagtctgct	tcaagaaaaa
41701	tacacaaagt	ggattcagca	tcacaataaa	aagcgcaaaa	cataccgcaa	tcttccatct
41761	tggggcgggtg	ctccccctgt	gataattttg	gtaatgaaaa	tacttgagtc	atctccaatg
41821	tgtgggtgtg	ccgtacctcc	tgcatgtgctg	aaaccaagcc	ctgaatttcc	ctgaggatag
41881	aagaaaaaaa	attgagactg	aatatgtatt	atctttatgg	acaggttcc	gtcattaaag
41941	gacgcagaaa	ctgtactaac	ataaggaaca	caacaaataa	aggtatatgg	gtgagtaata
42001	taaagattct	aaattaaatg	gacttgttct	ggaggaaagt	cctttcagag	gcattactgc
42061	tgaacagggtg	aggttcaaga	aaatacacca	aggacttttg	aagtatactc	cacagttctt

FIGURE 1-L

42121	tcttttaaaag	tatgtgcaac	ttgtcgttgg	attagtcacc	catctgcaga	gggtgtcactg
42181	taagtctgtt	tcttttagac	tgcacctcag	ccatgtttgg	tagggcacat	ctctcctaag
42241	agacaaatgc	tgaagtgatc	ttcccgtgt	tatttctgag	tagggcaaac	ccatatactg
42301	tttttagcctt	taaaaaagg	gggtggcgatg	gtgcttttct	tctgctaact	tgacatcagc
42361	ttattttttaa	atgaccaaat	tgtggctgct	aagtgatagc	tgccatcagt	ccctgacatg
42421	tttaaccaat	ataccgatt	agcaaaaggc	attgtttcac	actgactgaa	agaccaacct
42481	gagaacttaa	cattggtgaa	ttttcttgac	agcaaaagtaa	attttgccaa	agcagctcta
42541	ctttttgctt	gttttatgaa	ctggagaaac	aagatttctg	aatatgttct	tcacagaaag
42601	ggttcRactg	ctacaaaaag	cctttaaaaa	taattgattt	aaccaatggt	attaaaaaat
42661	gtttatttct	tgaagaatgt	tctaactgaa	tttcaggcaa	ctcaagtaag	caaatatatg
42721	tggacctatc	attttaactgt	tMgtattaaa	cagtgtaaac	acccactcta	ccaccatttg
42781	tcttaaaatt	ctattttaat	aaaaaaatgt	ttttcaatct	aacttcatga	attacctgaa
42841	tcttaagaac	agtaccagt	gattatggga	ggttaccaaa	ttacttaggt	actcaagttc
42901	ttcaaccagt	gaaaaataca	atgtatagtc	ctaactaaac	aaaaggaatt	taaaaggccc
42961	tgggaaaaaga	taaaaaatca	ataatataaa	aagttaggag	acatcacaaa	ctactatatt
43021	aaagtattga	cagtacatta	atactgtgct	tacttgaata	ttactccagt	agccacccaa
43081	cttgagcaag	tgatccgaat	ttaagtagat	ggcaataaag	atatacatgt	aagagactct
43141	ctcagattta	tttttctcag	attctattcc	aatataaata	aatctaatta	tctaggattt
43201	cagtcttgag	tatacacaca	tttagttact	taagaaatct	gcttgtgtga	aacactagat
43261	ttccataaaa	tgctagccag	ataaggtggc	attactatta	taacatacaa	taaaaactga
43321	atgcagatat	tcttttttct	tttttttaga	cagagtctca	ctctgtcacc	caggctagag
43381	tgccagctcg	gctcactgca	acctctgact	cctgggttca	agtgattctc	ctgattcgag
43441	tagctgggat	tacaggtctg	cgttaccaca	cctggctaata	ttttgtattt	ttagtagaga
43501	cggagttttg	ccatgttggc	caggctggtc	ttgaacttct	ggcctcaagt	gattcacccg
43561	cctcggcctc	ccaaagtgt	gggattacag	gcgtgagtgc	agatattctt	gagggaaaaa
43621	ctcatcttaa	gaaaatttgc	acatctgaat	tgcaccttca	agtcattttc	tgattgggca
43681	agtataccat	aattagtttt	taatacagct	ctgtctgtta	gaagtatggt	tattttgcta
43741	gaaaagaaaa	ttgatataat	gaccatgtta	ctagtatact	acttacttaa	tacgaacaat
43801	acttcattat	catatgcata	taaacaatat	aaacaaaatt	aaaaagcaag	aaaaatctga
43861	gaaactatca	caatctagag	gggtctaaag	cggcaggata	actaaacgta	atgtagtttc
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44041	taacaataga	ggaggctgaa	tccagagtaa	atggaaactc	ttgggactat	ctttacaact
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44281	tacaaagttc	tctagaacaa	cagattaaga	taatagtttt	taccctttca	agtgtgattt
44341	cttcatattc	ataatctgca	tctgtgccat	taacctacag	gggaaaagaa	aagcagctca
44401	gaaacttcag	agtgtaaaat	ccaaaatggc	aaggcaaaat	ttttgtatga	tttattaatg
44461	aaaacctgtt	gaatgcgaca	gtaatcaaac	acaatagctt	cattttaata	attctgggga
44521	agattttcaa	ggaatggaaa	aatacaaatg	tgattaatga	gttgacaaca	ttcgtgggat
44581	catgactttc	aaatccagga	taggtacatt	cagctttttaa	tagtttcaac	ctccgatcct
44641	tctctgtctt	gatccacaca	tctaactcag	taccaactgt	ttctgatttg	aacaccttaa
44701	ttttttggaa	aatcatcacc	tcttcactct	catttctaata	acctttgttc	aggccttggt
44761	caacctctct	tggaatggaa	tactgtcaat	gcagtctgcc	taatcgctta	gattagtatt
44821	ccccactgcc	caaatcactg	tttttaaacag	ctggatcttt	tttgttttgt	ttttttgaga
44881	tggagtctcg	ctctgttgcc	caggctggag	tgcaagtgtg	gcgtgatctt	ggttcactac
44941	aagctccgcc	tcccgggttc	acaccattct	cctgcctcag	cctcccagat	agctgggact
45001	acagggtgct	gcccaccacg	cccggctaata	tttttgtatt	tttagtagag	atgggggttc
45061	accgtgttag	ccaggatggt	ctcgatcttc	tgacctcgtg	atccaccgcg	ctcggcctcc
45121	caaagtgcgt	ggattacagg	cgtgagccac	cgtgcctggc	aacagctgga	tctttttaaa
45181	gcccataaca	tacttcctct	aaaactttca	caactctccc	ttcctagaaa	tatccaaact
45241	ctatgggttg	gtaatcatgt	cttcgaatga	actgacccca	atgtactact	tcctttcatt
45301	cttcacctct	tcataggcct	tacataccaa	ccctttctgt	gaacgacttg	ctctttccat
45361	tacatactct	gcaattttcc	acttcgacat	ctggaatttt	gtgcctcctc	ggtcacaaat
45421	ttcatttaca	tgttttatgt	caaaatcagt	caccattcaa	gatatcttgg	tcacaattta
45481	tctccctcca	atttatttcc	tagtctctcc	tgaaagaagt	taactcctac	agtaaaggcc
45541	actggtgaaa	caagtccttg	gaatcagatg	aacatgggtt	tgaatccttc	ctttaaaatt
45601	tctcgtgata	tgaagctggg	caaaactcta	tctaaatcaa	atgtggactg	tgataaattc
45661	tacttctgaa	gatggctcac	atcttccatt	ccagacattc	ttttgcaata	taactaaatc
45721	accctaccat	caaaaggagt	ctctttcctc	ttcaattaga	tctaggcaag	ccctgtgact
45781	agctttgact	aaaataaatg	tggcacaaat	gatgctgtgt	gatttctgag	actagggtcat
45841	ctgatgcctg	atagtattat	ttgcctttgc	ttggaatata	ttttcttttag	aaccagcag
45901	ctataacatg	agtaaaactc	aaacagccta	cagagagatc	taaccaacag	agaacccaaa

FIGURE 1-M

45961	cccttgggcca	aaagccccag	ctacactcct	aaccagcagt	cagcaccacc	aactatcagc
46021	cacgtgaata	aggctatttg	gacctcccaa	ccttgctcaag	tgccctaacc	cacaccatgt
46081	aaagcagagc	catccaattc	attatgagaa	aaaatgaact	gttggtcttt	taagccccta
46141	agcttcaggg	tagtttggtta	tgcaatgata	gataactgca	agagaaataa	caaaacctac
46201	ataagctact	ttgctttctt	aaccatacta	taaaatgtag	cccttaattc	aggtctaata
46261	tagggaccag	gagtttcttc	cttgagaact	tttgaagccc	atctctacta	cccttttggg
46321	ttcttaactc	ttgtgattct	cctagattca	aaccctatta	ctattttggt	ccctcttctt
46381	tctcatctat	agacattttc	ctcttagaga	ttatatgtta	taaaggcatt	tatatagaga
46441	gagttgggat	ttcactctgt	taccaggtct	ggaatgcagt	ggcataatca	tagctcgttg
46501	cagcctcaaa	ctcctggact	caagtgatcc	tcctgcctta	gcctcttgag	tagctgagac
46561	tacaggcaca	tgccaccatg	cctggctgtt	tacttttggt	tttcatagag	atggggctca
46621	tgttgaccag	gagctcgctt	gcttgccttc	tctctctctc	tcacacacac	acacacacac
46681	acacacgtaa	aatctcttta	tctcagttta	ggaggagtaa	cttcaagagc	tgtgttgatc
46741	atgtctgtgc	atctagagta	cgggaggctt	acctacttga	caggaagtcc	tttgttacga
46801	gtaaaaatfff	tatttgcagc	aatatccctt	ttcttattct	aaaggttatt	tgcatactct
46861	tgtttctttac	tcaagacttg	ctaaaagtct	atcagtcctt	atcgaataag	cagttttgac
46921	attattgatg	aatctattac	atttcattgg	attactttct	gtttttaaca	gttctttagt
46981	cctttgattt	tctaaaaaag	atttttgagt	tgaatgctca	atztatgctt	actctattct
47041	attttttagaa	acctcaaaat	ttaccaattt	tccttggcat	atggattagg	ccaaatccca
47101	caactgctag	ctgcaactgag	ctccattttt	gttcatttgt	ttatttctaa	ataatctaaa
47161	atttttattt	cgaaaacatt	tccaaatgag	tgtgcttata	tgccctttt	ggcattacag
47221	taaaaatfff	atactgtgac	cttatgattt	ctgccttaag	gaactctgaga	ttttcacct
47281	ttaagtttcc	tcacaaggta	ggtgctcagt	aaatatctct	ggtgcttaat	ttaatgccaa
47341	ttcatgatgt	aggtttctaa	gcagcacata	aaaggggctt	tttaggtagc	actgagtact
47401	ttactaaaaa	tacaaaaatt	agccaggtgt	ggtggtgcac	gtctttaatc	ccagctactc
47461	agggcggggg	ccaaggggtg	gggtagggtg	ggggctgaga	caggagaagc	acttgaaccc
47521	aggaggcgga	ggttgcagtg	agctgagatt	gtgctactgt	actccaacct	gggcaacaaa
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47641	aaagaactcg	acccttttta	caatagctaa	aggaaaataa	aatacttaag	aatatactta
47701	accaaggagg	tgaagacct	ctacaaagaa	aactacaaaa	cactgctgaa	agaaatcaca
47761	tgtagacaaa	acaaaaacac	atcccaagct	catggacagg	tagaatcaat	actgtgaaaa
47821	tgactatact	gccaaaagca	atctcaaat	tcaatgcaat	tcccacaaa	ataccaccat
47881	cattcttcac	agaactagag	aaaacattcc	taaaattcat	atggaaccaa	aaaagagcct
47941	ccacagacaa	agccaaacta	agcaaaaagg	acaaatctgg	aggcatcaca	ttacctgact
48001	ccaaactata	ctatgaggcc	atagtcatca	aaacagcatg	gtactggtat	aaaaatggac
48061	acacagaatg	aagcagaata	gaaaaccag	aaataaagcc	aaatacttac	agccactgga
48121	tctttgacaa	agcaaaacaa	aacataaagt	ggggaaaagg	cacctattt	gacaaatggt
48181	gctgggataa	ttggctagcc	acatgtagaa	aatgaaactg	gactctcatc	tctcacctta
48241	taaaaacatc	aactcaaaat	ggatcaaaaa	cttaaatcta	agacctgaaa	ccattaaaat
48301	tttagaagat	aacatcagaa	aacccttcta	aacattggct	taggcaaaga	cttcatgacc
48361	agaagcccaa	aagcaaatcc	aacaaaaaca	aagatatgca	gatgggattt	acttaaaacta
48421	agaagcttct	gcacaacaaa	ataatcagca	gagttaacag	gcaacctaca	gagtgggaga
48481	aaatcttcac	aatctatact	tctgacaaa	gactaatatc	cagaatctac	aagggaactca
48541	aacaacacaa	tcagcaagaa	aaaaacaatc	tcatccaaaa	gtgggctaag	gacatgaata
48601	gaaaattctc	aaaggaagat	acgcaaatgg	ctgacaagca	tatggaaaa	tgctcaacat
48661	cactatcggy	aaaatgaaaa	tcaaaaccac	aatgtgatat	taccttacct	ctgcaagaat
48721	ggtcatcata	aaaaaataaa	aaaaaataga	tgttggcgtg	gatgcagtga	aaagggaacac
48781	ttttacactg	ttgatgggaa	tgtaaaactag	tacaaccact	atggaaaaca	gtacagagag
48841	tccttaaaga	actaaaagga	gatctaccgt	ttgatccagc	aattctacta	ctagggtatct
48901	acacagagga	aaataagtca	ttatatgaaa	aagatacttg	cacatgcagt	tttatagcag
48961	cgcaattcac	aattgcaaaa	atatggaaacc	agcccaata	cccatttttc	catgagtggga
49021	taaaaaataat	atggtgtgca	cacacacaca	cacacacaca	cacacacaca	cacacacacc
49081	ggaatactac	tcagccataa	aaaggaatga	aataatggca	tttgacgcaa	cctgaatgga
49141	actggagatt	attattctaa	gtgaagttaac	tcaggaatgg	aaaaccaaac	acagtatggt
49201	ctcactcata	agtgggagct	aagctatgag	gatgcaaagg	catgagaatg	atacattggc
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49321	cagtatacac	tgctcagatg	atgggtgcac	caaaatctca	gaaatcacca	ctaacttatt
49381	catgtaacca	aacaacaccc	gctccctaaa	aacttactga	aattaaaaaa	aaaaatccaa
49441	aaacaaaaaa	taaaatcctg	aagtttccca	tcctttaaaa	ttaaaaaaaa	aaaagaaata
49501	aaaggcatcc	agaggtaaac	tatctctatt	tgccagtgac	atgatcttgt	atatagaaaa
49561	ttcaaaactac	ataactacca	gaggttaata	atgagttcag	caaggttgta	ggataaaaaga
49621	taaacaccta	aaagtcaatt	atattcccat	atgctagcaa	taaaaactcc	aaaaataaac
49681	aaaacaattc	catttataac	agcatcgtaa	gaataaaata	ctggctgggc	atgatggctc
49741	accctgaaa	tcccagcact	ttgggaggct	gaggcgggct	ggatgacttg	agctcaggag

FIGURE 1-N

49801	ttcaagatca	acctaggcaa	catggtaaaa	ccccatctct	accaaaaata	caaaaaaaaa
49861	aaaaaaaaatag	ccagtcacatg	tggcacgtgt	ccgtgttccc	aactacatgg	gaggctgagg
49921	tgggaggatc	atcttgggtc	tgggaggtgg	agggtgcagt	gagctgagat	tgtgccaatg
49981	cactccagcc	tgggtgacag	agtgaactg	tctcaagaaa	aaaaaaaaaa	aaaaaaaaaga
50041	gagagaatac	atagaagtga	atttaacaaa	agaactccaa	gacttgtaca	cagaaaaacta
50101	aagaacatta	ttgaaaggaa	ttaaagaaat	atacccatat	atttacagtt	aactgatttt
50161	ctatatgggt	gccaagacca	ttcaatgcgg	aaagaatagt	cttttcaaca	aacagtgatg
50221	ctatccacat	acaaaagaat	gaagttggac	ctctacttca	cattatacaa	aaatcaactc
50281	aaaatgaatc	aaagaccaaa	atctaaaagc	aaaaccataa	aactcttaga	agaaaactta
50341	actctaagtc	tttgtgatgt	tggattatgc	aatggcttct	tacatacaat	acaaaaagtt
50401	acaaaagaaa	aaatataaaa	ataatggttt	ttagactcaa	tcattatcac	gaaattgcgg
50461	catttttctaa	agttttatcc	acttaaaactt	caacaaaaat	gtagcagtat	atttttaccc
50521	catactgtca	ccagcagaat	gtactgacaa	actttttgct	cttttgataa	cataatgttt
50581	aagatgtatt	aattgtttta	atgtgcattt	atgttattaa	ctcacctttt	tctacttttt
50641	taccttaaca	aattatgttg	agatattcac	atatcataaa	atctaccttt	ttaaagtatg
50701	caattcagta	gtttctagtt	tattcacaga	gttgtgccat	catcattact	ttcctaattcc
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52201	agaataaaaa	agatgactat	ccttttaaca	aactttagaa	gatatgctta	cacacattaa
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52561	tttatgttta	gtcccacat	taaataatag	tctacctttg	aataattcgg	tgaaagtcca
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53041	tttagaaagt	ctcgctaata	ttgaaatata	tataaacgaa	atgatataag	gtgttatatt
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53221	ctacatttga	atatttctga	aattttgcat	aataaaaaag	aaacaaaaaa	atcatttga
53281	gccaaagtact	cagtttttaa	gaggttaata	gctaaagtag	ttgtgaaata	ctctgggtca
53341	gggttgctat	taagatactg	gcattcagcc	aagtgcagtg	gctcatgcct	gtaatcctag
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53461	caacatgggt	gagcaaaatt	atgtttctta	agccttatta	ccgatgcttg	ggtcaaat
53521	tttaggggct	ttttagttcc	tccttctgga	atatccttgc	ccttttactg	cctctacccc
53581	caatctctaa	gtgaattata	gagcttcact	gttgcccaag	ttggaactat	acacaatggt

FIGURE 1-O

53641	atataaattt	tagtaacaga	ataagcattt	ctatagcttc	ctatgatttg	caacatattt
53701	tctttttatat	tacttctcta	gagcctcaca	cagtccccct	gggtaaagac	aggtattgct
53761	atctttttcac	agatggagaa	aatgaatttt	aataataact	gtgattttacc	tatactcaaa
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53881	tcacttgaac	caaggtgcaa	tgagggtctt	ttcttcatct	gaaataattt	cacgtagact
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54181	gaccatcctg	gccccgtctc	tactaaaaat	acaaaaaaat	tagctgggct	tcgtggcagg
54241	cgctgtagat	cccagctact	tgggaggctg	aggcaggaga	atggtgtgaa	cccaggaggt
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54361	tctgtctcaa	aaaaaaaaaa	aaaaaaaaaa	aagtcaagtt	tattggctgg	gcacatggct
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56581	ggagttgcat	gagaaatgac	agataaaaaga	gtagaaaaaa	tatttgaata	atagccaaaa
56641	cttctcagat	ttcatgaaac	acatgaatat	aaacatccaa	gaagctcaat	aaacaataat
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56761	agggagattt	ttgaaagcaa	caagagaagt	gacttgtcac	atacaacaaa	tcctcaatga
56821	gattatcagc	agacttcaca	tcagacactc	tggagggtcat	atgggcagtg	gtggaaatac
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56941	aagacagtcc	ctcaaaatta	agggggaaat	taagatgttc	tctgatgaac	aaaagctgag
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57181	ctgctttttg	ttttccacat	gattgaagag	accattacat	tttcaaaatt	aaaaaaaaaa
57241	aaaacttagc	ctagccaggc	atggtggctc	acacctgtaa	tcccgacact	tcaggtggcc
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57361	accccatctc	tacaaacaaa	acaaaacagc	aacaacaaca	aaaattaacc	aggtgtggta
57421	ggcacatgcc	tgtagtcatg	gctattcagg	agactgaggc	gggagaatcg	attggggcca

FIGURE 1-P

57481	agagggttgag	gctgcagtgga	gctgtgatgg	caccactgca	ctccagcctg	ggctacagaa
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57601	ttggtaaata	acgaaaaatca	attattagtt	taaaagctaa	cattataact	ttgatttgta
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57721	tgtttttggg	catacaatat	atgaagatgt	aattctgtga	catcaacaac	tgaaaggggt
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57901	aactaaagaa	tagacacaaa	ggaaacaaga	aagttaaagt	tttactaca	aaaaattaat
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60421	caaatatcaa	aaaagaccat	gcacaaaaaa	ttagctctta	aagcattttc	aacaataactt
60481	taattacatg	atagcttttc	agaactgata	gaaataaagg	tttaaaacat	ctagttttaa
60541	agcagagtat	ttactctagg	gtgcaataaa	gcctctggat	ttaataggct	agtatcacag
60601	agattatgtg	tttactctcc	cagtaagaag	aactagtaac	tgtcacctac	tctgtactca
60661	gtttctatgt	ggagaaactg	aggctctcag	aagttgagta	atttccacac	catcacacgt
60721	agaaacaggt	gaagctagga	agtgggtggg	tcgggtagga	ctataaaactc	cacgtttctt
60781	ctgcaatatt	aagcagccat	taaatattac	ctttatctgt	gccactctgt	ataataagca
60841	taattctgat	ttgtagaaga	ctttcataaa	gtacaaacaa	tatgatcaat	gtgaaagtac
60901	tctgaaaagt	ataaaagtgt	tctacaaatc	atgaaagact	atatactttt	taaaaagtgt
60961	tcatctatgt	atctttctaa	tttgccctgac	tctcaaaactc	atttttaaagg	agtcagggtg
61021	gcgttacccc	ccattttaat	agatgaaggg	gggtataaaac	tcagagaggg	taactagctt
61081	gagtgccaaa	gacagactag	attctaaatc	ttttcttctg	tttttatttc	taatacatcc
61141	taacgcacat	aaatgtaaag	tagtggatct	tttaagaata	catattcact	taatatgttg
61201	aaattgggtt	atatgttagt	atgtatttta	aattttactt	ggggacggat	attttagctc
61261	attatttttaa	ttttataatg	tacacattgt	acttcaactaa	ttaggaacac	acttattctg

FIGURE 1-Q

61321	gaaaaatgagg	tgcactcatt	ggctttctcac	ataacacaac	aaaaatggta	aaactatctt
61381	tcatgaactt	ccgtagtgta	tttaaaacct	aaagtgaagc	tatgcagaat	aaataggtct
61441	tttttgtgtg	tatcctcaat	aaatatcctc	atttataaaa	acaaaacaaa	acttgttcct
61501	tagtttgctg	tctcagagaa	atatgagata	acactaaaaa	tatgggcggc	taagattatg
61561	tgccagtacc	tgacgtgcat	taagcatcct	ctccatcact	gtaaagcgcc	tcaagttagt
61621	actcctgtct	atcttcagtg	ttacagatga	gtaaatggaa	gtgcgctgtg	gttaagtga
61681	gtgtgcagtt	acacaggtta	agtggtagga	ctggaattcc	aaccccaggt	cattctgact
61741	ttaaaacgtg	tatttttata	agactatgca	agatctcaac	aatttttcaa	tgcaagggga
61801	tgctaagtta	gggttgcttg	gagtaaataa	atgagagaat	tctgaatagg	aaaagacagg
61861	ctcccaaagt	aatataaaga	gactgggtaca	aattctcaaa	ggattccaga	aaactatttt
61921	aacaccaaaa	aattgactga	agtgagaaga	gtaaaataaa	ctttcaattc	tattaaaaaa
61981	aaaaaaaaact	gtactaataa	actctatata	tttggaagaa	tgttacatta	ttatgatgcc
62041	ataataaccc	ttaaactggt	tgctcagaat	tatattttat	ttataaattc	aatttttttc
62101	ctgcaatata	gagagaatat	ccatttggtg	tcatctattc	attgttggtt	ttatgactta
62161	atttttaatt	attttcataa	tcaaaaatta	tatagtagca	gtattattat	aatgattaca
62221	attcaagtct	attacagtaa	ggctgaagtc	attgtaacac	tgtaatttcc	cctagaattc
62281	ttggttgtat	ggatgttccc	actgacttca	cttttttaga	gaggggaagg	gcactgagat
62341	gtgaataatc	acagctgata	tatcattttt	tccccaatgg	agcttatttt	gaaactgttt
62401	acacagcaaa	catatgttta	cccagatttt	aggctacaga	tcaataatgg	caaaaaaaaa
62461	tctatgggtt	catttatttt	cacttttaaa	gagatcgtga	tctttcacac	caaagatctt
62521	tttattatct	tttaatacca	ctaccattat	tttgactttg	gataactggt	ggaaggcgag
62581	ttaatgtctc	aagccacccc	ttggaagtag	taaagctttg	aaaaactaaa	aatgattaga
62641	ctctctcaca	tttggtctatt	attttttaaac	tgttacacat	aattttttta	aagtaaaatt
62701	ttacaacaga	tttacagaaa	agttgtgaag	atagcacaga	gcattcccat	atactcccag
62761	atatgttggc	tattattttt	acctaataaa	tgtgaagtgt	gttatcta	caaataacat
62821	aagatgaat	atttccaaag	aagataaata	tataacagga	aacaaagtgt	taataaaaat
62881	gatacatggg	tacaagatca	ggagtacaat	gatttttact	aacttttaga	gaataaagt
62941	ttctaagta	aaaatgttta	aaaactgttt	taagcagatt	tctaagtaca	aaggcatgaa
63001	aacaaatcta	aggttcaata	ttatgaagtt	cattgtgtcc	catttcacag	acaacctaat
63061	aaaatggcaa	atcctgactc	cacttataat	aaatcccaaa	tgtttaagtc	cctaaaaacta
63121	ctaaactgaag	cccaaagtta	attaccaaat	tacaaaaaac	agctcaaaac	gttttaaaaa
63181	agaacacaaa	tgaaacatta	aaagcaaatg	aaatttttat	aaagaaaaaa	gaaactaata
63241	aaaacctgtg	gtatggtggg	taggatgaca	gtattctcag	cagggactgg	caggacaggg
63301	atcacagggg	cagtgggagg	agagggaaga	acagcttctg	ttggctaaaa	atcatcaatg
63361	acaaaaaatc	aggaaaaaca	ccaaaataaa	agggaacac	ataacaaaaa	gctgtgccat
63421	aaagataaat	tatagttttc	agaaataact	atgcaacagg	aaaaacatta	atacattaca
63481	ctaataataa	tgagaaaata	ttctctagaa	attgttttag	aaagttatac	ccccataata
63541	attttaaatg	ttctgtaata	aatgaatgc	ctactcttta	gatgcttaaa	tcataataat
63601	aaaagattat	catttacaat	attccttcct	tctctgggag	ataagacact	tgcttcatag
63661	acagactgca	aaatattttt	tctagcactc	agaatacatc	tcactacttt	cctctatgca
63721	ttcagaaaaa	taaaagtta	tttattagcc	caatcaggca	gacaaagaga	gtttacaaat
63781	ccgtgatact	aacttctgtt	atcaagaaca	gtaataactt	gcctcaacat	gcctgtaatt
63841	aattcaacta	acattgattg	tctattacat	gccagacata	tctggcaaaa	atgaaaaaac
63901	aacgtagaga	gaacctggta	taaattaaac	taaaaagttc	actgttttat	ctggcttggt
63961	attttttaaa	ggatgaaact	ggaacacagg	aaagtgtgtt	agtaataaga	cccatttgct
64021	atataaataa	aatatcttat	atatgtaaga	aaaacactaa	aatcaagcag	atgaggcag
64081	cctgccttaa	caggccttaa	aacaggaaga	acaaattgcc	agactaaaaa	aagggttat
64141	cttcattcat	aaatgcaaaa	taaaatggca	atgatctttt	ctgcctacca	aattagtcaa
64201	attaagattt	attaacaatg	tatggagtct	cttcaacaat	ggtgctgaga	caactggata
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64321	tcaaaaattga	ttacaacact	aaatatgaga	tttgaaaaca	taaaactctt	acaagagaac
64381	atagggttaa	tctttgtgac	cgtggatttg	gtaatggaac	cttagaaatc	ataaatgatg
64441	aaagaaaaaa	atcaattaga	ctctaacaga	attaaaacct	tttgtgcacc	aaagggcatt
64501	accaagcaag	tgaaaagaca	gcctacacaa	tgggagaagg	tatttgcaaa	tcatacacct
64561	gataaagggtt	taatatccag	aacattttaa	gactcttaca	acgcaacaac	acaaagagaa
64621	acaacccaat	taatgaatgt	gtgaagagct	tgaataattt	ctgcaagaaa	gtatacaag
64681	tggccaat	gcacacgaaa	agatgctcga	catcattagt	ccttagggta	atacaaataa
64741	aagctataat	gagagattac	ttcaccacta	caagggaagt	gtctaattaa	aacaaaacaa
64801	aaaacaaagt	aacaagtggg	ggcaaggatg	tggaagaaact	ggaactctgg	tacaatgctg
64861	gtgggaaatg	taaaaatggg	cagcttctga	ggaaactttt	agtggtttct	taaaaaccaa
64921	ccatagaatc	agcatctgat	tagcaattcg	ggtaggtaaa	tatgcactgg	gtaggcatat
64981	tcccaaaagt	gagagcaagg	acttggacac	ttgtatgcca	atgttcaatg	cagcatcaca
65041	cacaacagtc	aaaaggcgga	aagaaaccac	gtgtctatca	ggagatgaac	ggatacacia
65101	aacgtgataa	tatacacaca	atgggtatga	tttttttttt	ttttttgaga	tggaagtctcg

FIGURE 1-R

65161	ctctgttgcc	caggctggag	tgcagtgggtg	caatctcagc	tcactgtaac	gtccgcctcc
65221	cggtgttcaag	caattctctg	cctcagcctc	ccaagtagct	gggatgacag	gcacctgcca
65281	ccatgctcag	ctattttttt	tttttttttt	ttttttgtat	tttttagtaga	gacagggttt
65341	taccatcttg	gccaggctgg	tcttgaactc	ctgacctgtg	gatccaccca	ccttggcctt
65401	ccaaagtgtt	gagattacag	gtgtgagcca	ctgcacccag	ccctaggaat	aaaattctta
65461	atcatgctag	aagatggatg	agccttttaa	acattaaagt	aaattagcca	gacacaaaag
65521	gataaatatt	gcatgattcc	acttaaaaga	ctagtaagtt	atacatattt	taccaataaa
65581	aaatattcca	aaaaagcttt	taaaaatgca	tgaaaactgg	tcctctcaca	ctgctgttgg
65641	atatacaaat	tcacacaaac	tttagggaaa	gtaattttgg	agtaaatatc	tagagcttta
65701	aaaatgtcta	aacttggcca	ggcacagtgg	ttcacacctg	taatctcagc	actttgggag
65761	gccgatgcgg	gtggatcgcg	aggtcaagag	ttcaagacca	gcctggccaa	catggtgaaa
65821	ctccatctct	actaaaaaaa	aaaaatacaa	aaattagccg	ggtgtggtgg	cccatgcgtg
65881	taatcccagc	tacttgggag	gctgagacag	gagaattgct	agagcctgga	aggtggaggt
65941	tgcggtgagc	ctagattgcg	ccattgcact	ccagcctggg	caacagagtg	agactctgtc
66001	tccccctcct	caaaaaaaag	tctaaactct	ttgacttagt	aattctagaa	atctacccta
66061	aggaaataat	tttaaaagcc	tatgttttaa	ggtagtccca	taaggtgttc	taaggtttta
66121	agatagtctt	ttgaacactg	cttctatttg	gtaaatcgtg	gaatatttga	aatacccaaa
66181	ggtgtcagaa	ttgttaagta	aaaaatgaaa	actctatgag	attgaggctg	ggcatggtgg
66241	ctcatgcctg	taatcctagc	actttcggag	gacgcggcag	gcagatcacc	tgagtttagg
66301	agttcgagac	cagcctggtc	aacatggcaa	aaccccgctc	ctactaaaaa	aaaaaaaaaa
66361	agaaaaaaa	tacaaagatt	agcttagtgc	ggtggtgcat	gcctgtagtc	ccagctactc
66421	gggagggtga	gtcaggagaa	ctgcttgaa	ccagcaggtg	gaagttgcag	tgagcagtga
66481	gatcacgcca	ctgtactcca	gcctgggcaa	cagagcaaga	ctatctcaaa	aaaagaaaga
66541	aagaaagaaa	agaaaattat	atgagattat	catacagaaa	tttaaaatta	tcagtacgaa
66601	cagtttataa	atttatatgg	acattgctta	tgacaaaaca	ttaagtaaaa	aagggaagat
66661	gaaacacata	aaaaatggaa	agaaaatgct	gaaaaattaa	tctctggggt	gggacatga
66721	gtgcctttct	ctatcgctgc	ttctttattc	tgaattatac	ttttccagtt	gttgacaagg
66781	aatacacagt	ggcgttatta	atataaatgc	aaggggaagg	atgggagatc	cattgtgaat
66841	attaacagaa	aaacaattat	tatgatcttt	aagtgtcatt	ctctagaaaa	caaactgaaa
66901	atgtatttca	cactctggac	tcctgttacc	tggatttatt	atttctctga	gaaagagatt
66961	tttaaagcat	tggattttgt	gttttctctt	tcttttcaat	gttcccagtc	tgggatgatg
67021	aaaagtctctg	aagattgaga	gtgatgatac	ttgcacaaca	ctgtgaatgt	acttaatgcc
67081	actgaattgt	acattaacaa	atggctaaaa	tggtaaactt	gatgtaaact	ttaacacaat
67141	aaaaaagtat	aYtacgaata	aagcctccgt	gggttttagct	cgggactcca	atcaccattt
67201	atataattgtt	cctggagaaa	aaaaattctg	aattccacat	tatgagctca	aaattaataa
67261	caatcgtaac	tgatactcac	tgcaaatatt	acatggcctt	ctaagaatgt	ttgaaaaccc
67321	ataggttctg	acttctgatt	tatgaatgca	taagaaaagc	gtggtgggtt	tgtaagaact
67381	gtgcttggat	caagtggata	tacacatgga	aaaatcaaac	aaatactgat	tcctaccctt
67441	aaactataca	taagattaat	ttcagctggt	ttgctgacat	aattgagaga	agtaaacaa
67501	ataaggcttc	tagaggatga	tatggtagag	tatcatcaca	accttgggtc	agatgacctc
67561	ctgaatagga	aagtgcattg	tgctgaagct	cacgcagggt	gaggaagcaa	tctgtaggca
67621	gggagtggaa	gggaggcaat	agcctggcaa	agggtgctgg	agcctcagca	tgggtgacgag
67681	ggtgtctaca	tggaacaaag	cgtggcggca	gcctgtgtgt	ggttggaaac	caagtgagac
67741	agatagcatc	tatgaggcag	tagctgcagt	ctggcataag	gttttgtgct	gtcagtggac
67801	taaatgggat	cttctggagc	ctgagcagcg	tgagaagggc	gtccaactag	ggcagcaatg
67861	atgacaggag	attgcttata	tacagggcct	tctggtccaa	taaataaata	catgaaggat
67921	actgacagca	ggtttccctg	cgtcagaaaa	ggcagttata	aatatgaaaa	gatagaaaa
67981	tagcatgaga	cctatggtgt	tacactaaaa	ttggagggtat	tggtataaac	agttttcaat
68041	atataatagat	aaatacaaaa	ataaatatag	acataaatgt	gtgtgtatat	atgtgcatag
68101	gtctgctaac	tatgaggacc	tggatgcagc	taacagctca	acagcacgaa	tacacctggc
68161	atccaaatct	tgatttctaa	atactcattc	tgcaatttaa	aacaacacaa	catggccggg
68221	cacggaggct	catgcctgta	atcccaacac	tttgggaggc	ggaggtgggc	ggatcatctg
68281	aggtcaggag	tttgagacca	gcctggccaa	catgatgaaa	ttctgtctct	aYtaaaaaata
68341	caaaaaatta	gctggacatg	gtggcgggca	cctgtaattc	cagctacttg	ggaggctgag
68401	ccaagagaa	cgctttgaac	ccaggaggca	gaggttgcag	tgagccaaga	tcacgccatt
68461	ccactcggcg	ctgggcaata	agagcgaaac	tccgtctcgg	ggggaaaaaa	accacaacac
68521	aaaaccaaac	aaaaccaaac	catgggtctt	tgaagaaatg	gctgactcca	gtgctagagc
68581	tcagcaagca	caagatgtgt	gtagacatct	tgctgtacca	gaagataagg	gaagtactca
68641	aagaggatga	caaaggacac	agaagttggc	ttgaagggct	gccactggcc	agactgggaa
68701	caatctgtaa	ctcaatgata	acaattggcat	aacatccact	gaataaaaata	ggaatctggg
68761	agcccatact	gatataaata	aatatacaaa	taaataaatg	aagataagag	cattttctta
68821	caacaaaatg	ctaactaaaa	atgtaatgat	ggaattataa	aatcatcatt	tggcagccat
68881	catagtaata	gagtaattca	ttcaagaaat	attaatgaat	attaaaactt	cctgttgcca
68941	agtgaacgt	ccattccagt	ggatgaatgg	gatataactca	tacaaaagtg	tctcctttca

FIGURE 1-S

69001	aagcattaat	gacagtggag	aaatctgcag	acaatatctg	aatcaagtga	tcaaagttaa
69061	caccaccagt	aacgggaaaa	atcaaaatca	tatatcatgt	gataaaatgt	aatgagagta
69121	caatacttcc	aggatatttc	taccaaaggt	atataacttg	aatctaata	ttaaacaatca
69181	gacaaaccca	aattgagtg	tacattacaa	agtaactagc	tgcagtcatc	aaaagtgtca
69241	aagtcatgaa	agtctaactg	tatttttaat	tcaattttat	tctagtttaa	aaacaacttt
69301	actgaggtag	aagtgatata	aaaaactgca	catattttaag	gtatagaatt	tgatgagttt
69361	gcacataggc	atacatctat	gaagccactg	ccataatcaa	agtaacaaac	gtatctatca
69421	cctctaaaag	cttccttgtg	cctctgttgt	tttttgtttt	ggtttgggtc	ttttaaggac
69481	actaaagt	atttttttaag	tgtttgaaaa	tgtcacaaat	gtaatatgtt	ttcttattaa
69541	cagtctccag	ccctaacaat	aggataatag	ctgattaata	atctactttg	atagccaaaa
69601	taagacaaaa	gtacatgctt	atgtcaaat	tcaaagcaaa	gcacaaaaat	tttctccact
69661	gggcaggtgc	tctccaaaac	cctttatgat	aaaccatgaa	tccttttaag	ttacatttta
69721	atcccacttg	taaccctctg	tctctgagcc	tcttctagaa	tcaccttctt	tagacgagga
69781	tgtgaatacc	atttaaaaaa	attcccagtt	tacagcatct	taacccatcc	ccctctctac
69841	agggcactga	ccaagttcct	tgaagaacat	aggcccctgc	ctcttcctta	aggccaacac
69901	cgctgagaaa	gtcaacgacg	catcaacaca	cacaattccc	taatcacaca	tgataaccaa
69961	ttctggtaac	aaacaattac	agaacaacaa	agtaattcat	ttagttcact	tgaacaaaa
70021	atgcagctct	aaacaaataa	taatcaaatg	aaggctgact	gatgaggaac	agcaaagata
70081	tcagatctga	tcacaggatg	ctttgggcaa	aggttttaga	gcaggggtaa	actccgggga
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70321	ttgctccatt	tgtatcactc	aataagatga	gatctaaagt	ttttctgttg	ttgttttaaa
70381	aaaaatcttg	accatgtgac	tagcaacggt	ctcagttgtt	tctatccaca	gcaacatcat
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70501	atattaacac	cgtcacaagg	aaattgtaaa	ttctacaaaa	attggatata	ttgtacatat
70561	tttaaaagtac	cttttaaaaa	ccagtatcaa	atggatggct	atctgaacaa	atgtttaaag
70621	tgatttgttt	ttagagatta	attttctcta	tagctttata	ttttaaatct	aatttaagat
70681	cttaaaatta	taaaagcagc	acttaaaaac	gattttcata	aagtggtctg	aacactcact
70741	acatacagcc	atttgcatct	gtttctgcac	tccacattta	tgaccatgta	ccgcctccc
70801	tcactttgat	tcattgaaaa	ataaattgat	attgaatgag	cctactactt	ttattaaagc
70861	cttttctgct	taaagcactc	aagtggtttt	cattatgtgc	atatgaaccc	tgattaatac
70921	aggaagagac	agaagggaca	attaggagtt	tactgtaata	atccagctga	aaggttattg
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71101	cactcacaat	agccactaaa	aatgatcYtt	tatacaagag	ttcgactcag	gtataaaaga
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71221	tcatagcata	agatgcaact	ccaaagacga	taaatgaaca	tactatctga	tagctaataa
71281	tgcttatatt	ttacattaac	acgttatatg	aagggggtaa	actgacctaa	gaatatacac
71341	aaagattcac	tactgtatct	ttttaattca	acttttattt	taagttcagg	ggtacatgtg
71401	caagcttggt	acacaggtaa	atttgtgtca	ctgggatttg	ttgtacagat	tatttcacat
71461	ccacatattt	aagaatagta	cccatttagt	tatttttccg	gatcttctcc	ctcctcgta
71521	tctccacccc	tcacaccggc	cccagtgtgt	tgttccgctc	tatgcgtcca	cctgttctca
71581	tcacttagct	cccacttata	agcgagaaca	tgcggtattt	gattttttgt	tcctgatta
71641	gtttgctaac	gatgacgccc	tccagctcca	cccatgtttc	tgcaaaggac	aagatctcat
71701	tcatttttat	tgttgcatag	tattccgtgg	tggtgatgtg	ccacattttc	tttatccagt
71761	ctaccattga	tgggcattta	gggtgactgc	atgtctttgc	tactgtgaat	agtgtgcaa
71821	tgaacctaa	cgttcatgtc	tttataacag	aacaatttat	attcctttga	gtataacccc
71881	agtaaatagga	ttgctgggtt	gaattgtatt	tctgttttta	ggtctctgag	gaaccaccac
71941	attgtcttcc	ataatgggtg	aactaattta	cactctcatc	aacagtgtat	aagtgttcct
72001	ttttctccac	aaacttgcca	gcactctctg	ttttgatttt	ttttaaaagta	gccattctga
72061	atggtgtgag	atggtatctc	gtggcctttga	tttgcatttc	tctaataatc	agtgcagcta
72121	agctcttttt	catgactgtt	ggccactttt	gaacagtgtc	tgtttacgtc	ctttactctc
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72241	tagacctttt	tcagatgcac	agtttgcaaa	aattttcttc	cattctgtat	gttatctgtt
72301	cactctgttg	acagcttctt	ttgctgtgca	gaagctcttt	aattagatcc	cactgtgcaa
72361	tgtttgcttt	tgttgcaatt	gcatgggtgc	ttcatgatga	accctttgcc	tgttcctata
72421	tccagaatgg	tactgcctag	gttgtcttct	taggttgtct	tatagctttg	ggtttcacat
72481	ttaaagtcttt	aatctatctt	gagtttaatt	ttgtatgcac	acttccatat	ttttaagagaa
72541	aatgagatat	atgaattagc	aaatcttttg	gtaccaatat	cttagatggc	aaggaaaagt
72601	atcaactgtc	gtgtcactgt	gggttagtaa	ggactcttat	ttgggttttg	atggcataat
72661	taataattcct	aatctaagtt	ctttgggtct	ttgtttaaag	atgtattatg	ctgtaatgtg
72721	gcatgtttct	ctgattaaat	gtcaaagaag	ctattttaaa	gtaagagaga	aactaaaaaa
72781	aactgcaagc	cttttgaaatg	tttatagaag	gataaaatat	agcacagtag	attttataaaa

FIGURE 1-T

72841	actctgctta	ggaatcactg	tactcaacgg	gggccagta	ccttcagaaa	aagctgattt
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72961	atctttcaca	taagccggta	tagtaaaaaa	ccaacaatat	gttatttgaa	ccagcttcat
73021	atgacttcca	tgtcataact	atctcacaa	caaacaatta	taaaactaaa	cacattttta
73081	aacaaatcac	taagggtatt	aaaatcatta	aatttaaaac	aaaacaaggt	aaataggaaa
73141	acagatctag	caattaattc	cattacagaa	acatgagtac	aagtgtgtta	gttcacacag
73201	acagatcatc	tagttcatga	atctatctct	acctgtgaga	ctcacaatat	tcagttaagg
73261	tttctcatcc	ctccattatg	aaaagacagt	attctatcag	cattcagatg	acaatcttgt
73321	cctagtaaa	gatgagccaa	acacgaaaca	tttcaaagta	aacagacact	aaaacttcaa
73381	tatatggtta	cataattgac	aaatggggat	aaaattacca	aatgcaataa	tgtgcttttt
73441	tacctgattt	ttatcagaat	gtggctagag	aaataagcaa	aaccacagac	ttcatgacta
73501	ataacctaaa	atgggcccct	aatgcttccc	agtaatcaga	tttgccctgt	attattcacc
73561	ctctacaagt	ctgtaaggat	tcaggctccct	gttatcactc	tctcaagttg	ccttcttcta
73621	tttcccccac	acaaatacac	acatttttcta	ttgtttcttt	cctttatttt	tcctccagaa
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73741	aaattataat	ggagctgaaa	aatttctact	gcctagtgat	gtcatagcca	ttgtaagct
73801	gcagtataat	gtattacatt	tgtggtgacg	ctggcgtaaa	caaatatacc	tcactgccag
73861	ttgtacagaa	gtataatata	tataattatg	tacgggtatat	aatacttcag	aatgataatt
73921	aacaactatt	ttactgggtt	gtatatattat	tatactatac	tttttatctt	ctgtataatt
73981	atatacaaaa	ataaaataac	accgtattcc	cattaactga	catgtgactg	cattttggat
74041	aattataattt	attatctgtc	ttcttctact	tagagcagat	ttctgttctg	ttcttctcta
74101	tatgccaggt	gcctagaaaa	gtgcacacag	gaagtattta	atatataatt	gtgaaatgaa
74161	taaaaccatg	cgactgtcaa	aagaaatcaa	cttaatcagc	actctaaaa	gacttgggca
74221	atagattggg	taggtacagt	cttccttccc	ctaccacact	tcattgcaata	tacatagtag
74281	acattgctaa	aaggttatatt	ctgtgtttct	gggcagccac	caccaatcag	aaggtgttca
74341	agatgtttta	cagtttgata	ctcttagaac	agaagtttca	aaatgtaaaa	aattgccaagt
74401	ttctagtgtg	tctctatcta	gcaataatga	attgcctaatt	aatgtcccat	ttgaaaaata
74461	acatgtcttg	gtcaagcata	tttgcttaaa	atattttcat	cgcttttcta	ttcaaaactgc
74521	attaggaagt	acaacttctt	actgagggtc	catattttaa	atccatgggtg	cccttccctc
74581	gaggttccac	taatttcagc	ttgggtccct	tgttccccta	caggtagcta	cttctgtaag
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74761	caccttatta	aagttaccaa	ccctctagct	aaaacatggt	tgttctccg	tatctctaga
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75061	ccaaggtggc	acaggcgata	tggcagaata	taaattttaa	tccaggtcat	catcctctaa
75121	agatgggtaca	cttaccacag	actctttact	tatctcttta	aaatagttca	aaaagagatt
75181	ttgtctttat	tgttaccact	acatttttact	gcaaagacaa	tatatattac	ctgtaaaaag
75241	aaatacacata	tgcatcaatc	cttagatcag	gggttagcaa	acatttttgg	aaatgacaaa
75301	aaaagaagcg	ttatggacca	tgcagtaatt	gttgcaacta	tccaacactg	ctattgtagt
75361	tcaaaagtag	tcatacacaa	tacacaaata	ggcatggctg	tgttccaata	aaactttatt
75421	tacaagccag	gcattggtgg	tcattgctgt	aataatccca	acactttggg	aggccgaggc
75481	aggcagatca	catgagggca	gtagtccaag	accagcctgg	ccaacatggc	gaaacccagt
75541	cagtcaggta	tgggtgtgca	catctgtaat	cccagctact	taggaggctg	gggcataaga
75601	atcacttgaa	cccgggaggt	ggaaattgca	gtgggctgag	atcgcgccac	tgactccag
75661	cctgggcgac	acagtgagac	tctgtctcaa	aaacaaaaca	aaacatttat	ttacaaaaac
75721	aggtggcagg	ctacatttgg	cctacagatt	gtagcttgct	gactcctgct	ttagctgctt
75781	ttaaaaaagg	agaaagaaaa	ggctaataaa	gtcaatgaag	aaaatagaaa	atggctttta
75841	gacacctaag	ttaaacttta	ctaactataa	atggtttaat	tctgttgcaa	ttcttagtct
75901	acaataaaaa	taagccaatt	ctctctcccc	aaaaaccatg	gaagcgacaa	tttaaaaaac
75961	aaggaaacaa	gatatacata	tggaaatttc	aagtttcacc	tacagttctt	taaaatattc
76021	ttaattaaaa	agtctatata	ataaagctgt	gctcttacaa	ctgaaaaaat	tttgccctta
76081	tactgaatat	agccttccag	tttggaaaaa	aagtgattaa	aatgatatga	tttttattct
76141	ttcttctttg	ttctcccttc	aaaatccctgc	tatggtactt	agtttggtta	aagcaattta
76201	ttcttaatat	tgatatgcat	cttggtttgt	ttctttctat	cttacaaaa	actttccaac
76261	tgatttcttt	ccaaatttat	aaccctttga	tacatcagat	catcctacca	agattagtca
76321	gatttatata	cagataaatg	agggtgggat	ctgttttaat	ttaaatgcca	gtttattgct
76381	cttgaacgtg	gctgttaaaa	aaaaattaac	aaataattaa	acaccaRgtt	ataatcccc
76441	attctttttc	tcagaacaac	aaaatacac	aaattgtaaa	gcaatcattt	ggttccactc
76501	tgtcacagct	gtaacttctt	cacatttcaa	agctgctcca	gtcaagaagt	cagagttttg
76561	atttcacaga	tactgaaaat	actgttcaga	aatgctacca		

FIGURE 2-A

>7:10710001-10808300

1	cagattcaag	ttgccctgaa	tatactccaa	caagcagtag	ttacaagtgg	attttaaaaa
61	aattattatt	atacttaaag	ttctagggtg	catgtacaca	acgtgcaggt	ttgttacata
121	ggtatacatg	tgccatgttg	gtttgtctga	cccatcaact	cgtcatttac	attaggtatt
181	tctcccaaca	ctatcccttc	Yccagcaccc	caccccccta	caggcctcag	tgtgagatgt
241	tccccatcct	gtgtccatgt	gttctccttg	ttcaactccc	acttatgact	gagaacaggt
301	ggtgtttggg	tttctgtcct	tgtgatagtt	tgttgagaat	gatggttcca	acttcatcca
361	tgtccctgca	aaggacatga	actcatcctt	ttttatgact	gcatagtatt	ccacggtgta
421	tatgtgccac	attttcttta	tcagatctat	tattgatgga	catttggggt	ggctccaagt
481	ctttgtctatt	gtgaatagtg	ctgcaataaa	cacacatgtg	catgtgtctt	tatagaatga
541	tttataatcc	tttgggtata	taccagtaa	tgggattgct	gtgtcaaatg	gtatttctag
601	ttctagatcc	ttgaagaatc	gccacactgt	cttcacacat	ggttgaacta	gtttacagtc
661	tcaccaacag	tataaaagcg	ttcctatttc	tccacatcct	ctccagcatc	tgttgtttcc
721	tgactttttt	aatgattgcc	attgtaactg	gcatgagggt	gtatctcctt	gtgggtttga
781	ttttcatttc	tctgatgacc	agtgatgatg	agcatttttt	catgtgtctg	ttggctgcat
841	aaatgtcctt	tttgagaag	tgtctgttca	tatccttttg	ccactttttg	atgggttttt
901	tttttcttgt	aaatttaagt	tctttgtaga	ttctggatat	ttgccatttg	tcagatggaa
961	agattgaaaa	attttctccc	attttgtaga	ttgcctgttc	actctgatga	tagtttcttt
1021	ttctgtgcag	aagtctctta	gtttaattat	atcccatattg	tcaatttttg	cttttgttgc
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1141	gcccattgtt	tcttctaagg	ttttatgggt	tttaggtgtt	acatttaagt	ctttaatcca
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2281	tttctgcctc	tattgagata	atcatgtggt	ttttgccatt	ggttctgttt	atgtgatgga
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2461	ggattttttg	atcaatgttc	attggggata	ttggcctgca	attctttttg	ttgtatctct
2521	gccaggcttt	ggtatcagga	tgatgctggc	ctcataaaat	gagttaggga	ggattccctc
2581	tttttctatt	gattggaata	gtttcagaag	gaatggtacc	agctcctctt	tgtacctctg
2641	gtagaatttg	gctgtgaatc	tgtctgggtc	tggacttttt	tttgggttgt	agcttattaa
2701	ttattgtgtc	aatttcagaa	cctgttattg	gtctattcag	agattcaact	tcttctcgtg
2761	ttagtcttgg	gaggggtatg	tttccaggaa	tgtatccatt	tcttctagat	tttctagttt
2821	atttgcacag	aggtgtttat	agtattctct	gatggtagtt	tatatttctg	tgggatcagc
2881	ggtgatattc	cctttataat	tttttattgc	atctatttga	ttcttccctc	ttttcttctt
2941	tattaatcct	gctagcagtc	tatctatttt	gttgatcttt	taaaaaaaca	gctcctggat
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3361	tcttaatcct	gagttcta	ttgattgcag	tgtgggtctga	gagacagttt	gttgtgattt
3421	ctattctttt	acatttgctg	aggagtgttt	tacttgcaat	tatgtgggtca	atttagaata
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3601	tttctgtctc	cttgatctgt	ttaatattga	cagtgcggtg	ttaaagtctt	gcattattat
3661	tgtgtaggac	tctaagctct	ttttaggtgc	tctaaggact	tgttttatga	atctgggtgc

FIGURE 2-B

3721	tcctgtattg	tgtgcatata	tatttaggac	agttagctct	tcttggtgaa	ttgatccctt
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3961	tacagcacac	tgataggtct	tgactcttta	tccaattttc	cagtctgtgt	tttttaattg
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4381	ggctttagt	gtttctgttg	gttattacgg	tcttggtctg	atgggcttcc	ctttgtgggt
4441	aaccagacct	ttctctctgg	ctgcccttaa	catttttttc	ctttatttca	accttggtga
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4621	aattctgaag	agtgttttct	aacttggttc	cattctcccc	atcactctca	aatacaccaa
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4741	cttttttctc	taatcttgtc	ttctctattt	taaccatttg	atctacaatc	gctgatatac
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4861	ctgtgggtttt	cagctccatt	aggctattta	agctcttctc	tacactgggt	attctagtta
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6121	atcacccatc	ttctgcatcg	atcttgcagg	gagctgtaga	cggagctgt	ttctattggg
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6241	ggagacccaa	aatacctagc	tccatcctc	aggcaggtag	tcctgaaatg	tgtctgagtc
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6541	caccaccatc	aaaaccttga	aagcccatct	aattgggtgga	atctaaatca	tatctataat
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6661	ggaagaggtg	agaatgaaag	tcacctgtta	gtggacaata	tctagcccaa	ttttatgctt
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6781	aataaaaacca	ctaccaccaa	acataaggtg	actcttccta	atatagatga	aaacactgtc
6841	tccttcaggg	tcagaatttg	tccttgcccc	ttcgaacata	ctgggatctg	attccattta
6901	tagggatgca	gtgagagaga	tgggcatgag	gagaatcagc	atccctttgc	aaagtaatga
6961	actcagttga	gtccattcat	tacagtgtct	tcaacaaggc	aggtagcttc	accaagaaaag
7021	aagggtctaa	ttctactaag	aaaatgatgc	tctgagattt	tgaggcttgg	ttttcaattc
7081	tcaagggtacc	attctatccc	ataaatatc	ctaaattctt	acaaagttgc	ctaaaacctg
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7201	gaaattaatt	tagagtagta	gttttcattg	gagggctgag	tgatgggtgg	gccactgttg
7261	ttggtagtga	tttggctccc	cagtggatat	ttggcaatgt	atgtccattt	tgagttgtca
7321	caatttgggt	tagggagagc	tgttagtggc	atctagtggg	tagagtcag	aggtactgag
7381	atatcctaca	atgcatagga	cagccttctt	cagccttttg	ccacagggcc	aaagaattat
7441	ctggcccatc	aataaggaca	aagataagaa	atcacagaag	ctctctgtgt	gttggaaaca
7501	gttttgagtc	aagcagttaa	cgtcagctgg	atgtagtac	tcacacctgt	acccccagca

FIGURE 2-C

7561	ctttgagagg	ctgaggcagg	aggatcagtt	gagctcagga	gttcaagccc	agccttggca
7621	acgtagcgag	gtcccatgtc	acatttagaa	atTTTTTTaa	aaagttaaaa	ccctgggctt
7681	gtcatcattg	ttctctaatt	tttcaaaggc	tgtcagaact	gccacctcag	ccccccag
7741	tccattttatt	gcttatttgc	atTTTtagtg	tctatcataa	caaacaattg	ctaacagatc
7801	ttgtgttcaa	caggcacctt	atTTtcagttg	atgacatatg	ataattttaag	taaatgtatt
7861	accactgcat	gtcttggaact	accaatatct	tattttccac	tggtaatcaa	gatatcattg
7921	cctttaaatc	caaaactgggt	caaataataa	atatcaaatt	cccagtgttg	aagtTTttatt
7981	tctttattttt	ttgaacatct	ttatatacca	actattgtat	cagacaaaaat	tagtatagca
8041	aatagaaaac	actacatata	tttcatgtag	aaaaatattt	tggtatgtat	aaaaatcattt
8101	aaaagactga	aggagtgaag	gtcagagatt	caaggaaatt	ttcagtttca	agatcatata
8161	actgtagcta	tgatctggag	gtcagaaaaa	tagtgcagct	gttgctgcta	accctctcca
8221	caactgctcc	tccatcttgc	cctttatacct	ttgaattaaag	ctagtgaata	tggaattctat
8281	tcttatagat	gattgagctt	cttttctgct	gttacagcta	cacgaacatg	gcctctgcct
8341	cccttacatt	ttctacatat	caagatgccc	atgggatacc	taatacatct	gagttaagta
8401	attgTTTTaaa	gtTTTtaaaa	atTTtggttTc	tccaatgttg	ttagTTTTat	TTaaatattt
8461	aatgattcct	ggttgTctat	atataTTTgt	gttcatagta	tataatacgt	agtgttgatg
8521	gcagaatttg	atgtactTTg	tccaaaataag	aagccctRtt	cacctggcag	agaataaatg
8581	caagTTTTtca	ttataggtat	actggTtctg	atggTtTgt	gtTtTgtTgt	agggTtgagg
8641	aagTtggtgg	tatagggagg	ttacatgtga	gtaggctctt	ctttatgatt	tatgagtagt
8701	ttctatgctg	gatcttcccta	tttcagctat	taagacaact	gaaagtcagt	gaggttacta
8761	tcagtctcct	tcctataaac	ctgTTTTcca	ttctggtaat	ctctgaagtt	agacttcccc
8821	cttagtagag	ctgtatttga	agTTTTattc	aggagagaaa	tgctattttc	agctcctctg
8881	acaacagaat	tactatgtgg	ctcttttctc	tctaataaat	tatccagtct	attgtccaag
8941	tctcagccct	tctcacaaac	ctcattgtct	cttacctaag	cgttatgcag	agaatgtatt
9001	ggaaaaactc	actttagtga	ttcttctctt	tgatgattca	tcacctggat	gaatttatta
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9121	cctccatagc	cctcaaaaagt	ctgctgttga	cattactctc	aggTttatag	caatgctatg
9181	atTTtatgga	tttatttcta	tttgTatatt	tcttctgtga	tttctgtgta	ttttggggag
9241	ggtagtgagg	taattcacaa	gttcaattag	tttaattagt	tgtgaaccag	cactattatc
9301	cttagattta	cagcaaaacta	atTTTacttt	cttggtttct	taaaaaatta	atcaggatct
9361	gcagTttctc	tctcaacaaa	ataagacaat	tcattTTTTt	cttcatTTat	cttattTTac
9421	ttccctaRg	cacttcatct	ctttaccccc	tacatcttgg	atTTggttac	ctgaatttag
9481	aattatgacc	cctctagttt	gcatactcct	gcttaataaaa	actgtattaa	atccccaat
9541	ctcagtgttg	acaattattc	acaattaaat	ctaacttatt	ttctTTTTct	cttacatcat
9601	tttttcattg	catgtcctct	aatttcttgg	atTTaaaaga	ctTTTTtctt	agagtaattt
9661	tggaatatag	gtacactgtt	atctgtctct	caaaacttta	agtaaccaga	caggttatta
9721	atattatttc	cagattctgg	gtgatattc	agaggctcaa	tgTtgctttt	ttttagggta
9781	acacaaattc	agtggccaag	cctagaccMa	aattcggatc	tccagactct	taagTttgct
9841	gtcttttgta	tacatatttg	tttctTTTTc	ttacagttag	tgtccacaac	aagctattta
9901	ttttactatc	ttttgttgga	gtagTttgaa	agaccatttc	tgaatataga	actctgcttt
9961	tcataattat	tactgatgct	tgtgcagcta	tatttagttt	gcttaattag	acagaattgt
10021	ggacatttaag	aatattattt	ggcaaaatcc	tacattgagg	cagTttgtgc	tYgctgtttt
10081	ttggaaatga	taattattat	ataattcttc	ttctttgtgt	agtcatgcat	aaatatcttg
10141	aatttgaaata	cctggcaact	agaataaaaag	agaaacatga	tggattacat	aacataaata
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10321	gtcaggagtt	gaaggccagc	ctggccaaca	tggtgaaacc	ctgtctctac	taaaattata
10381	aaacttagcc	agggatggta	gcaggcatct	gtaatcccag	ttaccaggga	ggctgaggca
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10501	cactccagcc	Rgggcaacaa	agcaataactc	catcccccta	cagctcccc	aaaaaattct
10561	gagTtaagaa	tgccaagagt	aatTTatcac	atagcctta	aagatgttca	gcagaatatt
10621	attggagatg	ctatttatagc	cagTtttacaa	ccaataaaga	caaattcttt	atatgacatc
10681	aaaatgtaat	ttcctttata	aatatgggtg	caaaaatcaa	caaaaatacta	gcaaaactgaa
10741	tctagcatct	ataaaaagat	ttataacaaca	tgactaagta	gaatttatac	tagaagtgca
10801	aggTtgatta	aacaaataaa	aatcaagcaa	tatagtaata	tactatattg	aaaaataaaa
10861	gtacaaaaat	cacatgatca	tctcaataga	cagagaaaga	gtattttaata	aaattcgaag
10921	ctctttcatg	ataaaaaacag	ttggcaaaact	aggaacagga	aagTtcctcc	acctgaaaaa
10981	gggcatcttt	gaaaaactat	agataacata	agactaagtg	gaagactgaa	agTtttcttc
11041	ctaaagttag	aaacaagaca	aagaagtctt	tccctcacca	catttattca	acaatgttct
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11161	gggaaaggtt	caagccctt	cattttaatat	catttcttgg	aagTtgcacg	tactgtttct
11221	gctgacatgc	aattggccag	aacttaactg	cataactcca	agcaacatca	agaaagtTtg
11281	tatattatgt	ctttattctt	tgaaaaactta	tgcccagtta	aaatttggag	cttccatttt
11341	tgaagaaaaa	ggagataatg	ggtattggga	aacaaccagc	agTtctttcc	atgtttattg

FIGURE 2-D

11401	aatgcaggctc	aaaaaaagga	attaggtaat	ttttttcttt	tctttttacc	ctacttttct
11461	tcttcctttt	tccctccctc	tcttccttcc	ctccttttct	ccttccttcc	ttctcttact
11521	ttcttttcaat	acatgaattg	caaaagatta	ataacStaaa	tgcaatattg	tcttctggat
11581	tggatcttgg	aacagaaaaa	aggacattag	taggaaaatt	agtgaatat	aaataaagt
11641	tttagtcaac	aaaactgtac	tcatgttagt	ttcttagttt	tgataaatgt	attatgggta
11701	tataagatac	tgatattagt	ggtagctagg	tgaaggatgt	acaaaaactc	agtattatta
11761	ttgcactttt	tggtaaatct	gaaattactt	caaaattaaa	agttaaaaaa	aaatgattgc
11821	tgatatccaa	tggccacagg	tttgaaaaac	tagaaagaat	tcttatccac	tcttggtggt
11881	atatatatata	gtacagactt	tttttttttt	ttttttgaga	cggagtttca	ctctgtcac
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12061	agctaatttt	tgtattttta	gtagacacgg	ggtttcatca	tgttgggcag	gctggctctg
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12181	tgagccaccg	caccgcgcag	tacagttttt	ctagagcaac	taggtgttat	ttattaaagt
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12721	tttctatagc	acaatagaaa	agtttgagag	gtcacatggc	aatgatagtt	tgggtgagag
12781	tgaggcagga	gaataggggt	tggaggcagg	gaacctaaag	atgtgtcact	ccgacttcc
12841	aagaactaaa	ttgaaaggaa	acccctaact	ttccatgcct	aagtaacaaa	aggaccagag
12901	gctactccct	ttgcaaacc	ccacttttct	tgcagggcag	atgggaaatt	ggctgtgggc
12961	agcaaatcag	actgattgca	ggagagtctt	cctttgcata	gaagtatcac	tttgactcct
13021	caccatctgc	aagaaatcaa	actgattgca	ggggaaatct	tcctttgcat	agagggtatac
13081	cactttgtaa	cttcacccta	gcctctgatt	gattgctttt	tgcaccaatg	tttgcacagg
13141	agcatgacct	ttgtaacttc	acttcagcct	ctggttggct	gctttctgca	accaatcaga
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13261	agaggggtatt	tggactcaag	attctgtatc	cgggcccttg	agccgctgct	caggtcgctt
13321	ccgtacagag	cgtgctttta	ttttcaataa	gtccctgctt	ttgttgtttt	gttgcttcat
13381	tctttctttg	ctttgctggg	cgttttgtcc	aattctttgt	taaaaacgcc	aagaacctgg
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13501	aaggtagcaa	acatcccttt	gtggaacggt	tactcagtaa	atccttaaaa	aacagatcag
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13981	taacgggaga	aattaactcc	cgggggcgcg	cgggttgact	gcgctgcctg	ggcggagggt
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14341	agtcagggcc	ggtgggagca	gggcaggggg	gggagagtcc	tgcgggaaaag	caggattggg
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14641	tgcttctgca	ccccaaacct	ctcctgacct	cttttgctga	gaactcagtt	agacaaaaat
14701	tccttgtgcg	aggtcatctt	tatgttctct	tagcaccaca	actctcccc	gtgtttgggt
14761	tgattatgaa	tgacaatgta	atttttttct	cttcacagtg	gatcgcagct	ccaagaggag
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14881	cagtgtattt	aaagtgggag	atgcctcagg	taaatatattc	cttctctctt	cccttttccc
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15001	ttttaagtga	aagcacgtaa	acttcattta	ttttgtccat	ttgatttccc	attttgcctt
15061	tagactctgt	cactagacct	ataattgctt	ctgttttcc	cagagataat	tagcagtcag
15121	gggaaggact	ttttccaaag	atgcaaaagg	atttctctgt	tttacacctt	aaaaatatatt
15181	tatgcttata	ttatagagga	aaaaactgaa	agatatcccc	aagtagaaaa	gtatcctgag

FIGURE 2-E

15241	agggtgtgtgg	accattaata	gtccctgagc	agggttcttc	ttttttcaga	tcacttgaca
15301	atctcttagg	ggagttttgc	tttttttgtg	tattagctct	tttactagaa	taaaattgac
15361	cagagtaaga	gttgcacttc	aaattatagt	agggtgctga	ccttggtgat	tgggcctttc
15421	agatgtctct	gaagtataag	tcatgcatgc	ttgctcacta	tatttagtaa	ttttaaaaac
15481	ttttttttaa	ggtcgtatat	tcacattgta	ctaaactgga	aaacagaaaa	gtatgatttt
15541	cctttgtatt	ttctgttcag	tgtaccttat	gtatatatac	agtttcaatt	gaaggaatct
15601	gagaaacaaa	aattatgttt	aatttaaatg	ttttatggga	aaaatactga	taaacatgaa
15661	caatgaaaat	tatgtgtaat	tccacctctt	ttgaaaattt	taataaagtg	agatgaaaat
15721	ttaataaaaa	tgagaagtaa	aagcctttcc	agtttcatct	cttcaacagt	ttttaaatat
15781	acttccagag	agtttgccgt	ggtagtcac	atctctccct	cttctgggtt	tcccttgtct
15841	ttttcctgct	agggatagta	ggaagggatg	aacgaaatta	tattactggt	gtacttttta
15901	gtagcatcaa	cagcagaatt	tcatttgta	tttactgata	actttttggt	tgcataatct
15961	cacttaattt	tcacagtaac	ttagtgaagg	agataccatt	ttacaggtaa	caggggtatt
16021	gagtttaaag	aactggcatg	aggctactca	ggcagtaacg	gatccaatgg	atttgacttc
16081	agaatttagt	ctgtttatct	gcttggatcc	caagagttga	tggacggaat	cttaaacaga
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16201	cttgattaac	tgttttttta	tcctttgctt	ctcagctctt	tatctcccat	ttagtgggtt
16261	tgctgatatt	tggtatttcc	aaagaaggga	aggggaaggg	aaaggaggta	aaatttaaat
16321	cttagttctc	ttggtaaaga	ccttggcaga	taagaatatt	cctggctagg	atgtagtttt
16381	ggtttgttat	ggttgtgggt	gtaaaactttg	acaaacatag	ttgggtcgtg	gaagttacga
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16501	ataaaacttg	actttatgga	acttttgggt	ccaaggtttg	ttcattgaga	tggaaatttc
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16621	caaaatattt	tatgatatcg	agctaagtag	agatttctga	ccttggttaa	tcctaattat
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16741	ctatatatcc	cttaaacaca	ctaaaaatat	ttactttctg	ttccctcttg	taatataata
16801	tctagtatgc	tgcactcata	atttaccctc	ctggccccct	ggggagctta	aatttgYgat
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17041	taccatttgt	ttccatttga	atcttttctg	tgcttgagat	agtatatatt	tagttggagt
17101	ctgttagaga	ataagacatt	agtcctatca	ctggtttcca	aacatggtga	agttgtggat
17161	tcccagccct	acttacRa	aggagattaa	attggaagta	gagaaatgg	agctaaacat
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17341	ggattccgtg	gatcaatttc	ttcttacctt	catcttgaaa	tctgaaattc	tgactataaa
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17461	aatttaactc	tatcataaaa	tagaaacaaa	tcaacattgg	taaagaatga	cccaccata
17521	agattggcaa	gtgattacga	gcctgtacct	ttagaaaatt	atgaaactga	agatagttta
17581	tatttttatt	ttaatgcaaa	agcaaaaagta	agctKctcat	ttttgattga	aagcagtc
17641	taaagtttga	aatgagtaag	tcctaaaaata	ggatatatat	gcattattag	aattatgggt
17701	ataaacacca	gaagaacat	atgtagaaat	gttaggttga	actatatgga	attaccaggt
17761	ttgtagggtc	aaaacacaca	gtcaaatatt	agcaatttca	tgggtttacc	tagttaaagt
17821	gttgatattt	gagacttggg	catagggttg	ggtgtatgat	aggagactta	tttaccattg
17881	gttatctgct	acattaattg	aatgttttaa	agaatgttta	catcttttta	aagatgcaga
17941	catgtattaS	ttctattaac	cagacagatt	agccatgctc	tctaccctta	tccccacca
18001	ggcaaagtaa	aatgggggtta	actttagatc	ttgatcaaaa	gttagtttag	ttaggccata
18061	ttgccaggaa	ataattta	gagaagtgtc	agcctgagac	tttggtggta	ttttgtgctt
18121	aatctgactt	tgaataagt	gaccaagatg	tgttcattga	ttgtccgtag	tttagccctt
18181	tgctagatgt	tatggtgaat	ttacaaaaca	gtagtaataa	tattagaata	agtaagtaaa
18241	ataacatgta	agtaaaataa	aaattagaat	aattaaataa	aatagttgat	acaaaggatg
18301	gttgatcact	tgtgtagtct	aagtctttMa	taggaaatga	gattagattg	atgtagaaca
18361	atttcattga	ggagaggagg	taaRagtgg	actatgaaca	gaaggattta	gataaacagc
18421	aatcttgggt	aggcaaaaat	taaaagtgtt	gagacttgg	attgtttttt	tatatttggg
18481	gatcagtggt	gagtaaaagt	agaagagata	agcctggaaa	aatagaataa	ggtcaaattg
18541	tggtgtgata	tacgagttaa	Yggtttctca	accttggcRc	tattggcatt	ttgtgttgg
18601	taattttttg	ttgtggaggc	ttgtcctgta	cccagtagga	tgttttagcaa	caacaacctt
18661	ttcctctact	agatgccagt	agcatctttc	ctacctgccc	cagcctcacc	tccacctcca
18721	cttccactgt	tgtggcaact	attgtttcca	gacattgcca	gttgtcctct	gggggaaaaa
18781	aatgttcccc	tttgagtacc	actggctcat	acaaaccaag	atgacatagc	tggaaactaga
18841	atcggaagtg	gaggatgagt	tgtgttgact	Sattggctgt	cttcaagaca	tatacggttt
18901	tggtcaaaca	tagccctggg	atagctgtaa	ataactagta	gaatagtgat	tgatctgtta
18961	tctatttgtgt	atattttatag	tactaacact	gttgtaccag	atcaatgaac	agaatttagat
19021	tgatgaaatt	gatgaacaaa	tttatattgc	atatattgta	tattagcata	aaactaaatt

FIGURE 2-F

19081	aaatcatatt	gatttttgta	tggggagaac	attggatata	atgggtattga	tgggtgatat
19141	taatttaaatt	aattttttatt	ttattatttg	atattgtaaa	gggattccttg	aaggttggtg
19201	ttttaaattc	taatttttaa	atatttttta	ttttttgtc	tggccattac	cactcagagg
19261	agtttttaaa	aattctgtaa	tggtaaaaaa	tttcttaact	gtctgttagt	tgaaatagct
19321	gttgcttgga	gagattctga	tatattgtat	gtttgagaaa	ggttatcttt	tatttaacca
19381	aatgggaagt	aggatttcaa	ttttaaaagt	atattttttt	caaacgtaag	aaaggtttat
19441	tgtagacttg	aaattaactc	tttctgccta	agataatttc	tccagtatat	ttcttttttt
19501	cctttccttt	ctctctcttt	tttttttttt	tttggacat	agcacagagt	cattctttga
19561	tgactaggaa	attttgtctt	tgcagcctat	ggaaaaaata	gccaagggcc	ttgatttttc
19621	tcattgtcat	tattacccag	ctatggttgt	aaataaatat	ggtttatctc	cattcctcca
19681	gtgcatatgt	acaaaaaaga	aatagtgtact	aattagatga	agaagttatt	tttcagatat
19741	cagagaaaga	taagatttga	tgtattgtctg	atccctatag	aaagataaaa	tttgatatat
19801	tgtctgatccc	tgtagtggga	gtctgactaa	tgtactatat	ttggagaatg	aggggttggg
19861	taagctatta	ggagtgggtt	ttgtggaaaa	atgtccattc	ttctaataat	agttaacaaa
19921	cataaaacat	taaaaatttt	ttaaaaaatt	gctttctatt	caggcatggt	tataaatcaa
19981	aaacagaatc	aaggagtctc	aattttacctc	tcatttgaaa	aaataattaa	ttaatgggca
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20281	tcccttctag	agcctaaggt	gtttcagttt	tctttagtca	gtgtgcataa	aaaatctttc
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21181	tgtggaaaca	ctttactttt	tcaccatttt	tatcattacc	tttttcttgg	ctatagggtgc
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22021	aaaataaattg	ccttttcagt	accaaataat	gccatatgac	acaaattagt	gcttctcttt
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22741	cagaggaaca	agtcagcgag	ccaaaaaat	ggaaccttcg	acgaaaccga	ccacttctgg
22801	attttgtgtc	catggaagag	ctgaatgaca	tggatgacta	tgacagtgag	gatgacaatg
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FIGURE 2-G

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23041	gtaaagttct	tagcagaaac	agtgtctgat	atgaggaact	gaccaatgat	agcctgaccc
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23221	tatttataga	cggctgtggg	atgaatgagc	accctaactg	taacattttt	tcatttggcc
23281	aacagacttt	tattaaatat	ctactatttg	tcaccgttct	caaggagctc	acaatctctg
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26461	ttttatacct	actgaaagag	agttcactgg	accacacctt	gagaactgct	gctctagaac
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26581	ggcatttttt	aaatttagtg	cagcctgaag	aatccccctg	aaatgtgggt	gtatgtcttt
26641	ttcagccgtt	aatcttgcat	ctttgagatt	ccttaagatt	atcttgcctt	ttagttttct
26701	gaggtaaagt	ttttggggac	ggcagtgatc	tattttcaga	aatgggtccc	attttcaaga

FIGURE 2-H

26761	ttttgaaact	aaagttttgc	atgagaatta	atccatgacc	gtaaattata	tcaatagaat
26821	tggcattttt	gttttgtaaa	agaaagaaga	gctctgttct	cacagaaaat	attttaaatt
26881	agagacagtt	tggatttttg	attactgctt	tataaatgta	actttatggt	ctttgctgag
26941	tagaattttt	tttcataaaa	agtctccgtt	aagtacatta	gatgtcatgt	tgagaaatgg
27001	caattgtcac	ctgatttttg	tgaattaaaa	tgtaaatggt	ttgccaaaaat	ttataaatat
27061	ccacttctat	ttgggacttc	taacttatta	atcagttgtc	tttttacaca	ttgcaaaatg
27121	aaacaaattg	ctctgagtc	taaaaaaaag	tYagttctgt	aacattttata	aatatcgaga
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30481	ttgataaaga	ggtcaagtat	atattttctca	aatataatgt	actttgaagt	taataaaaga
30541	atggaaaatg	gggcatacat	ttggaaatgc	atataataat	gtttaagtaa	taaagaattt

FIGURE 2-I

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31801	atctgcctgc	ctcggcctct	caaagtgtct	agattacagg	catgaaccag	tgtgccaggc
31861	cttattttcca	gttttttttt	tttaattttt	aatttttttaa	aattattttc	agttttttaa
31921	taaaaattcag	aagtaggaaa	aagttgacta	ttttagtctg	atagaaaaaca	ttcttaaaaa
31981	atttatattc	tatcaatttt	ttgtagcttc	ttctttcata	gttgatattt	tatttttgag
32041	acagagtctt	gctcttgtcc	aggctggagt	gcagcgacac	aatctcaggt	cactgcaacc
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32401	cggatcacct	gaggtcagga	gttttagacc	agcctggcca	acatggcgaa	accccatctc
32461	tactaaaaat	acaaaaatta	gccggcgctg	gtggcttata	cctgtaatcc	cagtactctg
32521	agaggctgag	gcaggagaa	cactggaacc	caggaggtgg	aggttgca	gagccgagat
32581	ggtgccactg	tactccagcc	tgggcgacag	aggaagactg	tctcaaaatt	taacaaaca
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32701	gatgaaatgc	tgttttatct	aattttatata	gattgtattc	agatgttgcc	aattgtccca
32761	acaatgtcat	ttctaacaaa	atcaaaagcca	ggatcatgta	ttgcatttaa	tcgtcaatg
32821	tgtttagtca	cctttaatgt	agaacagtcc	ttgagtttct	gtctcataga	cattttttaa
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32941	atttgggtta	tatgcttttg	gccggaatag	cacggaagtt	atatagtgtt	cttagtgc
33001	cgtagtagga	agcatatgat	atttatttgt	gcagttactg	gtgatattac	tattactttt
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33121	ggttgagagg	gtgtctttct	ggtttatctg	tggttaaagtt	attttttctt	accaattaat
33181	tattattatt	attattattt	tttaatcagg	gctgtgacta	ccacaaaaca	gtatttctat
33241	ggcctttctc	ttacctgctt	ttctggtatt	acagcccttg	tcccaagtaa	ttctgggagt
33301	ctgctggact	tgtgggactt	tgcatgatct	gtgattctct	agctaagtct	ctgatcttca
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33421	attcatttat	attttttagta	atgtttgttg	agtaccttct	atgtgcttgg	tattctgtaa
33481	attttaggca	tatgaaatag	aatgtacaca	ttgttgacct	ggtggaactt	aatgtctgga
33541	cagacaggca	gtaaacaaac	caataaatat	ctcttagattg	gtggcccaga	ttctgaagaa
33601	aaatgaagta	ggacaaggag	tataggaatg	ctgtgtgtga	gggtggttgg	gtgagttgca
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33721	ccagcacttt	gggaggccaa	ggcaagcgga	tcacctgagg	tcaggagttt	gatatacagc
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33841	cacgtgcctg	taatcccagc	tactctggag	gctaaggcag	gagatttgct	ggaacctagg
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33961	tgactctgtc	tcaaaaaaaa	aaaaaaaaaa	gttgtaagg	gaaatccact	ctgataagag
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34261	ggcatgggtg	catgtgcctg	tactcctagt	tactcaggag	tctgaggcag	gagaatggct
34321	tgaacccagg	aggcagaggt	tgcaagtgcg	tgaggtcgag	ccactgcact	ccagtctggg
34381	caacagagtg	agactccgct	tcaaaaaaaa	agatcttgaa	gtggtagcat	gcttaagagt

FIGURE 2-J

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34561	ttttattatt	gtgtccggaa	ttgggtgggtt	cttggtttca	ctaacttcaa	gaatgaagct
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34681	tctgatgttc	ggatgtgttc	ggagtttctt	ctttctggtg	ggttcgtggg	ctcgtctggc
34741	caggagtga	gctgcagacc	ttcgcggtga	gtgttacagc	tcataaaggc	agcgcgtacc
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36841	aagtatgcct	ggtcatggcg	ttagctctcc	agttaatcta	ctcaacagcc	gtaggcttta
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37321	gatgagtttt	tatatagaga	agccaggaga	tgggacaagg	gatgtgaaat	tgaggggagg
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37501	agaagctggg	agcagttggg	tgggttggtt	tggtcttagag	tctctcatga	agttgcaggt
37561	caaagccata	gcctgggctg	tagtcatttt	aagatttggc	tggacctgga	ggatttgctt
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37741	agctggcttc	agagtaagt	atcaaaagag	gaaagagacg	gaagcagttg	tatcagagtg
37801	ctagtataatt	ttataatcta	atttggttag	tgcatacaac	catttctgcc	atattccgct
37861	gttcacacaa	gccaacccta	gtcagatgta	gggtgggggca	ttctaagagt	gtaaatacca
37921	ggaggcactg	attattaagg	gctatcttag	aggctgccta	ccacatgtgc	agagattata
37981	tagcatgttg	tgtgctcatg	gaagtgaccc	agtggaagg	gagaattggg	gatataagga
38041	aaatagttag	gaaagaagg	ggaacaattg	ctggaacaaa	ggttttgagt	gcaagattag
38101	aggggatgag	atccagtacc	aagttagagag	attgagttag	taagagtaac	catagtaatt
38161	agggaaaaaa	ggatatatgg	gtccagatgt	agctaggttg	ttagatgtgg	tagttggagc
38221	atgtgtaagt	tatttttaaa	atgtttcttg	ttttctcagt	gaaataggaa	gcaaagccat

FIGURE 2-K

38281	tagcagagag	tgggacagt	gggagttaga	gatttgggga	ggcagagttg	tataaattta
38341	tttgggagaa	taaactgaat	aaggaaacat	atacctaata	tatatatgta	tacacacaca
38401	gacacatata	tgtatatata	cacacacata	cacagcaata	agaccacttg	atattagtgg
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38521	atgaatactg	ttactgagaa	aagtaaacat	ggttgaatat	atgtgtat	ttcttctcca
38581	ggtgtgggtc	agattcctgg	gagtaggtaa	agaatatgtt	aactcaggag	tagcagctac
38641	tttggcagt	tttgttacat	tgatcactga	tgatcacaaa	catgttactg	ctgcttatat
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40741	gtcttttgca	aatactttct	cccagctgtg	agtttgcctt	tttattctct	tgaaggatct
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40981	tttaaaaaat	tttataaatt	tgcatttcac	atttgggtct	gaatttattt	tgtttacgag
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41521	gatttctttc	atcagagttt	tgcatgtttc	ttcatagaga	tcttggcaat	attattttat
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42001	gtgttttttt	tttacttgtt	tgttttgaga	cagagtctca	ctctgctgcc	caggctggag
42061	tgcatgtggc	caatttcggc	tcactgcaac	ctctacctcc	tgagttcaag	tgattctcct

FIGURE 2-L

42121	gcctcagcct	cccctaattgt	gtataattttt	aaaagggtgcc	tcaagattcc	tcatgcagga
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42241	aaaggaactc	tgcaatgtgg	acgatgtcat	gctggagcct	agacagccac	aggtgtaggt
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FIGURE 2-M

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FIGURE 2-N

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FIGURE 2-O

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56221	gacgtaatac	tagtttgatt	aaaggtataa	aaagccaaga	aaattcgaga	agccttttag
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57121	aaacttaggt	tgcttccaaa	tcttagctat	tgtaaacagt	gctgcgacaa	atataggagt
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57241	tgctggatta	tatggcagct	caatttttag	gaacctccaa	agttttcttc	atcatgggtg
57301	tactaatWta	catttcatgc	aacaggtgtac	aagggttccc	ttttctccac	attcttgcca
57361	acatttggtta	ttgcctgtct	tttgatata	agctatttta	actggggtga	gatgatattt
57421	catgatagtt	ttgatttgca	tttctctgat	gatcaaggat	tttgagtccc	ttttcatatg

FIGURE 2-P

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61141	gatgacaatt	ctgactgttt	tttggtggtt	ttatgtgatg	cttatttctt	gttcttttcc
61201	ccagtcagca	tctgtcataa	tagctccaag	caaaattaat	ggtaaagtaa	caaggaagat
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FIGURE 2-Q

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65041	ccttcatgga	taactttgaa	ggggttgaag	aattcagtg	aggaagtcac	tgcatagtgt
65101	gcagaaataa	caagataact	agaattagaa	gtgtagccaa	aggtgactga	actgctgcga

FIGURE 2-R

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67561	ataccttggg	tttataaaat	ttctcttttt	atacagaaa	aatgtacata	attgactgtg
67621	ttgtatatata	ctaccaattt	caccttagta	ttaacctaaa	attactttta	gtgtctttaa
67681	agatatattaa	aacatgcatg	atttctaggt	tgtaatgcct	agattttttg	ttggattttc
67741	tctggctctct	tgtttccttt	tccaagcaat	tttatattgt	ttaagaatta	gtatagcttg
67801	atgggtgggct	ttaaagtaa	attgtcctgg	tttgaagcct	tacattttact	ttctttgtta
67861	tttttggcaa	gcagatttct	taacttgtct	ttactttta	ttcctcatgt	gtaaaaatggg
67921	aatagttata	gtatctcttc	ttcatagtag	ttgtgtttta	tgattacata	tatttataca
67981	tatagtcctt	gacttatgat	gggtttacat	cctgataaat	ccattgtaag	tttaaaatat
68041	tttaagttga	gattaaattt	atacacctaa	cttactgagc	acagcttagt	gttgccacc
68101	tttaatatgc	ttggaacatt	tacattagcc	tacacttgaa	cacaatcatc	tgacacaaaa
68161	ctttattttta	taataaaaatg	ttaacttctc	catgtaattt	attgaatacc	ctactgaaag
68221	tggaaaacag	aatgggtcgta	tgggtactga	aagtgtggat	tctgctgagc	gtgtattgtt
68281	tttgcaacat	tgtaaagtta	aaaaattaga	agtggaaactg	ttgtaaaactg	gggactgtct
68341	gtatatgtaa	agtgtctaga	atagtgactg	gcacatagta	agtcctcaaa	taattttaat
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68461	ataggttaatt	acgttttttc	atataaaactc	ttggctcgcc	tatgattatt	gtttgtattg
68521	gtacataaatt	ggttcattat	ttgtatttag	catttttaaat	atttagtgga	cactttgtat
68581	gagaatgcag	tcttttagtct	ggaaataagt	ttgcttttgag	aatttttctg	ttactttggt
68641	gtaggagtgt	agcttttggtg	aagaccctcg	ctttgctaga	actgggggtt	gcattagctg
68701	tgatgcaggg	atgtgcagag	cctattttcca	tgtgacctgt	gctcaaaaag	aaggtctgtc
68761	ttcagaggca	gcggcggaag	aggttaggttt	atttaaaccc	atagttgggtg	aacatgttca
68821	caagatatct	tttgactcta	tgctctataa	taagtgtaaa	taataaaaaga	aatttttaaca
68881	tttattctta	aagttcttgc	caagatcact	gttctaaaa	tttaagagta	aatgcctatg
68941	agttttgtca	gttttaaaagc	tagtcagacg	ttcagaaaa	ataattttta	tagtgagatc

FIGURE 2-S

69001	tgacagataa	aatgaaagat	aatccaagtt	gtcttaaagc	attaaaatgt	cggcatttca
69061	gccccatgaa	ttatagttaa	aaaaaaatag	catattttat	acgagaagct	gaaactgtat
69121	ttgggtaacc	ttgctctatt	tttctttaaa	taaaatcatt	actgtgtctt	tagtatctct
69181	gttactatct	ctttactgtt	acttttaatt	ccataatatt	cctttcagat	ttattggctt
69241	tacggtaaaa	aatcagttgt	tttcagtggt	tggggactgg	ttaagattcg	ttcaagtatt
69301	ctgagtttaa	aactattttc	attacactat	aaaaatgtta	cttacttttc	tgaactctgt
69361	tctttcatga	gtatttagtg	agacttccag	agattacata	cagtataaca	gaaccaccg
69421	aatatagaaa	caattttgag	aatccagcta	ccttttttta	tgtcagttat	ctagacatta
69481	gtatgtaaaa	tgtaaaacag	tgccactctc	ctcactcaat	ttttgtgtgt	atgtgaattg
69541	tattttagtaa	aagtgtatac	ttcggtaatg	gaccatttat	ttaaaataaa	ttaatgaata
69601	ttgcaaaaaa	ttttcagttt	taatttttaa	tagggtaact	gtctaaaaa	taactcacat
69661	aaaccctttg	gagtcctcag	taatttttaa	gaatgttaac	aaattgtgag	caggttcagt
69721	tcatctcctta	agcttacata	gtaatgaatg	tttatttagt	aatttttatt	gcacattcat
69781	gatggcttta	tggtaatagt	ctaagcctct	ccttggttatg	ttttttcttt	tattgggtaa
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69901	caaagatact	ctgatgaaga	aaaattgtag	aaaaaaattt	gaaggatata	ttttatgaat
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72721	tttatgttga	ctattactgc	ttctcaaggc	atttgtattt	aaggcccttg	cctcagctct
72781	gctaagtcag	aatttgcaga	gttgggctct	agttacctct	atttagaaat	ctccttaaat

FIGURE 2-T

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73261	gagtttgggt	ccagggatca	gttcccttct	ttcttcttgc	ttcaccttcc	tttagtctat
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74221	gaaaaactaa	tagcttatgt	ttactgttcc	tttttgggac	agacataaag	aatgaacagc
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76561	agtggaacaat	tcagatacta	gttctagtgt	ggatggaagg	agaaaacata	agcaaccagc
76621	tctcactgca	gattttgtga	attattattt	tggtcagtat	agacactggg	acatgcacat

FIGURE 2-U

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79861 gaggagttaa tgttgagtat aaggcttag tttatttgcc aagctagcat tatcttttg
79921 cttgattttg aagtttttct cataagaatc tcctgtttta aatactatct accataaaaag
79981 acattttcat ttattaaaag acttttaaca gaggtttgca aatttccttt tgcaaatgta
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80221 ggagagtgtg gtccaataag ataatttttc taattaacct atggaacacc aatatagctg
80281 ggggtctgaa gaaaataaat ggcctcaata tctttttgt caagtgtact gtgttttggt
80341 ttttttaaac ctctacgta tgtgtctttg tctttgaaag ctgaaataga agtttaattt
80401 ttatgtttta gtgtaccact gaaaattgat gaaagtctgt aattatagat ttctaattga
80461 aataactatt agaaaaaagc tcattttaat cctttttgcc aatgtaaaat ctgataaagc

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FIGURE 2-V

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80641	gaatataccg	gcaattttgc	gagcacccaa	ggagagaaaa	ccaagtaaaa	aagaaggagg
80701	cacacaaaag	acatctactc	ttcctgcagt	actttatagg	caagtaatga	aattaataat
80761	gatagaataa	tgttgtgtat	ttttttaaac	tgatacttat	tagaaagaag	atcctgcaaa
80821	tatttgagaa	tgaattatgt	ccataccaga	atttaagtgc	atttgaagtt	cattttctca
80881	aaagatgcat	tccagtttga	atgatagagg	agatttttgt	tgctgtttta	acctaaactc
80941	tatggaaatg	agcagtaccc	tttggggaac	tggaaaatta	ctttagataa	cattatagtt
81001	attgtcttaa	ataatttaaa	caatataaaa	gatgagcatt	tatatattat	tttacttgaa
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81241	tactttcttt	gctcaatatt	ttcgggtgtc	accattatag	taattttatt	atagtcaaga
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81901	ccaaatataa	atatacttta	gattttcagg	tgatgggtgt	tgtgtacgca	ggtgtagtta
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82021	agtagcaatc	acaaaattcc	acaatctttg	caataaatat	caattgtatg	gtgcgttttt
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84181	cactaccctg	gtgataggga	tcattcatat	tccaaacctc	agtatcatgc	agtataccca
84241	tgtaacaaac	ctgtgcatat	acccctgat	ctaaaataaa	agttgaaatt	aaaaaaaaaa
84301	gaaaagaagt	aatgtacata	gcctgaggtg	ttttagtgag	agcacttcta	aaagggcgta

FIGURE 2-W

84361	aacaacttag	agccttttca	ttgttgtag	tggtttttaa	gtaaaagtag	aagttaatgt
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84481	ctaagatcaa	ccttagctttg	gttagcagtt	aactgggtgt	attaattttg	gagtgtgcaa
84541	gattcagaga	attgtttttt	ccttagtgta	cctcaaagt	gggaggcagt	ttttactttt
84601	tgttttttaa	catttttcagt	ttatttttga	agttatacta	aagataataa	atactcaaaa
84661	cctaacactt	tctaaatatt	ttgtcacatt	ttactattat	ctatgctcta	gaggttattt
84721	aagtctattg	catctggatg	gtagaaaaaa	aatgataaac	gcaggttgag	tatcccttat
84781	ccaaagtgtc	ggggaccaga	agtgatttgg	atgtttgttt	tgtatttgtt	ttggaatatt
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84961	tcagattttg	gattttttgga	tttgggagtc	tcaacctatg	atagttgcta	ctacacacc
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85081	ttaggagtat	ttgtactgta	gaaattacta	aatactacat	aacagggtct	tccccagag
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88081	taaatttttag	gactctattc	tcatacagtg	tgctaagtaa	aaatatatag	aattaagggtg
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FIGURE 2-X

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88321	aggtcaggag	ttcaagacca	gcctggccaa	catggtgaaa	ccccatctgt	actaaaaata
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88621	gtaccaatta	atgtagcaga	aacatttttt	acatatctta	aaggatattt	ataagatgaa
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90901	tatgataact	gtgacaagga	gtagtgttag	ggctccttgaa	ggactttgat	tttcagggtat
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91261	tgagccactg	cagctggcaa	aaccaccttt	ttaatcagtg	ttgaatctca	tgttgggtca
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91381	aaatattata	ttcatagtag	tcactcttag	aggagtattt	ctgaatgttt	tttcattatg
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91501	tgtatttata	aaaactatag	ctaaagccag	aagataataa	taaatgcagt	acttaaaatt
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91861	gttattctta	acaatttttt	ttctatatta	tgaatatatac	cacatgctta	cctgagtggt
91921	tgtagtttat	attttgttgg	aggcataata	taaggaacac	accagagcat	ccatcaccca
91981	ccttgaaaga	cagaccattc	ccaaagcttt	agaagtttcc	cgtaaaccct	tcgacaagct

FIGURE 2-Y

92041	catctttatc	tgtctagccc	agaggccacc	tctttactca	gctttacttt	tctcattcac
92101	ttctttttct	ttatagaaga	gattttacact	ctaaatttct	gtacttataa	ataatacatg
92161	gtttattttt	gtaggttttg	aattttcatat	gaatggaatc	aaatgttttt	ctctggtaat
92221	ttgatatttt	gaccaaaatt	atgttgattt	gattcagaca	tgctgatcca	tgtagttgta
92281	gtttatttat	tgtcactaat	gtatagtttt	ctatggaaa	aatagattat	tacctagttt
92341	ttcttttgct	ttgttgatgg	gcagtttagt	ttttttcatg	tttttctatt	ctatacagct
92401	ttgttttaaaa	tattcctata	aatatctcct	gcagcatgg	aacaaggagt	ttgtgtatgt
92461	attaaggtgt	agatttgcta	agttacagac	tatctgcac	ttcagttttg	ctagataact
92521	gcaattgttt	tccaaaccag	ttcacactca	taccagcaat	ggataatgtt	tctgttgctt
92581	cacaaagttt	tgtccagttg	tttaatgctt	tccagtggtg	tacagggaaa	atagtatcct
92641	gacattttat	gttgcatttt	tctcagtact	aatgattttg	ttcatctatt	tacatatttt
92701	tggtaaattg	tatttccttt	tctgggaaat	gtgtatgcaa	gcctttcacc	agtttttctg
92761	ttggggtgtt	tacctttttc	tcattgcaaa	ttctttgagg	ccagggttta	aagagtttct
92821	tctggggaaa	tcatttatgt	tcattgtttac	cagggtacct	gaaggggcct	ctaccaactt
92881	gagaatatatt	taaataaaa	tttgggtgtg	atgttttcta	ttacatcagg	agtgtaaatt
92941	tcaaaccctt	aagtgtctgc	ttacagttaa	gaattcttag	ggcatacttt	ccttgcttga
93001	gctgaggcag	gcacttttca	aaaatcttcc	tttccacaag	ggagatacaa	agatatattt
93061	agggttagtt	gtcatcattt	gttctgttac	ctgtttcatt	ttaaagagtc	tttaattttt
93121	tccttaaagt	aacagttttc	tcaaaaaaca	ttttcttaat	ctgtattaac	ctcctatatt
93181	ataatcactt	aaaagatcct	attcaggaga	ttcagcttga	ttttttaaat	cagttttgtg
93241	ttatggggtc	atataaaaat	tatgaggcaa	atctttatct	cttagataat	tgaacagttt
93301	tattttgggt	gctctaagta	gatcaacttg	aaatagtttt	tatttgtagt	ttcaactgtt
93361	tataactcct	tttttaggct	tcaaaaatat	attttgttta	taagggaact	agagagactt
93421	ttcctttgtt	aaataagccg	gctagtttct	atttctaaaa	tattttctat	aattgtttga
93481	aaatggtaac	tagttattct	taagatctta	gagaagagtt	attacttcgt	atgtctgtct
93541	acaaagatta	tcctcttatg	aaacattatt	tttccagttt	ctttatttgt	tcaagaaagc
93601	cttttgacta	gtattatcat	ccttaacttt	ggagttatca	tatagaggga	aattatgtat
93661	attacagtga	aatttttgtg	cccacagttc	agtattactt	gagataaaa	agaactcttt
93721	aacattaaag	gatccttcta	ttttttcttc	acctttactg	gtctgctttt	tttatcctag
93781	aattataagg	aagctttaaa	atlttgctaat	ataatcccat	tcctttcatc	ttgttctttg
93841	tctctagttt	tcttgtttaa	aagttttaga	cttcttacag	atlttggtca	gtgaaacacc
93901	agggaagag	tccatgacca	gtaatttcag	gaaatgcagt	gtgattattt	tcttacttgt
93961	agaaattcca	atgcatgttg	aagctccaaa	aaaaaaaaat	cctaataatt	agaaacagga
94021	ttacttttat	ctattctttt	tcttaacttg	tttttatcaa	aaaagcattt	tttaagacac
94081	tttttttttg	gtagcataga	gtactgtgtg	gtgctaagtt	tggaaatgat	gctccggaga
94141	ccatggatta	cttgcattag	gacctctttg	ggtatttgtt	gaaatgtaga	ctttggaccc
94201	acccttagag	tagtatagac	tttggaacca	ttctggaatt	aatcaattag	aatttagggg
94261	tttgactaag	cagatttctt	agggtgtacg	cttatactaa	ataaaagtgt	aaaataacta
94321	ctaattggtg	ttacctttcc	tttttccctc	tcactctttc	tgctgtcctt	ccaacaatcc
94381	attcagaaaa	ccagacaatt	ggtgcgaggt	atcatactaa	actgttcaag	gaatgtagga
94441	atgagagata	cagaaggag	tgactagtc	ttttggtcct	gatcttacca	tttatgttga
94501	gttcctgttg	ttaccttaag	ttttacttta	tttctatttg	agttgtattt	atctttttta
94561	atcaataggt	ggtatggtga	aaaatgaggt	gttctaattg	tgtttcttag	aacagtgtta
94621	attatgagag	accaggcata	caacagctta	ctaacttgta	taaatacctt	ttgcaatata
94681	taactaattt	ttctctccca	ttgttacatt	tttaacttat	tgctcccaat	atcctcctac
94741	ttacactttt	atlttcagcac	aggatttaca	attgggaaca	ttctgtcttg	taatacatta
94801	ttatagtatt	tttatttttg	tcagtttttc	atlttttctg	ccataaaatt	atcaaagtat
94861	aatttgtttt	catgttagtc	ttattattct	gtcatgattt	tgaagaaaat	tttaccttca
94921	tgacatacgt	agggcaatca	tgacataccc	caagctcatg	gacctgaact	cctggcagac
94981	agcaactgcc	ctgtttacca	cagaagaatg	ggtcccattc	ttcttatgtt	tcactcagtga
95041	aactatagaa	ttattgtaaa	ggcagcctga	gatagttctg	tttaagtact	ttgttattta
95101	gacattttct	ctgcattatt	ttctatgtgg	aaacttttac	ttacttttag	gcaaggaaa
95161	taattttgaa	gaaaacataa	attagcttac	ccatatccct	tttgaagtta	ctttaaaatt
95221	ggtgtttata	cttggtggaca	tattttctaa	tactctaatt	taacttgaaa	gctttcagat
95281	tttctttttg	ctttctttgc	actctaagtc	atgtagtgtg	ttttcatctt	ttgtagaagt
95341	gccaaaggac	ttgttgggac	ctctctttcc	attgttttta	cacacacgca	tgcatcatct
95401	actctctttg	aagttStgag	ctctttcttc	ctgacttaca	aatKcKgtt	gtgttttata
95461	tattttcttt	tttgcaaaa	aaatgcaata	aataggcaaa	atacttttta	gcagctttga
95521	ctgaaaacca	tattgttttt	caggatgcac	tatttctttt	agatcattat	tttagaagga
95581	gatttaaaaca	catctaatac	tttttccatc	gcacttaaca	atgtgagcca	ctagccaggt
95641	caaagtggca	gtctttattt	gagagataat	caaatacctc	agagcctact	tttattacat
95701	ttatgtttta	actaattttt	cgcataatac	aagtacctat	ttataaatgt	ttaaagcttaa
95761	gtcttgagaa	tctgaaaata	tgaatatatg	ttcatataaa	tatttttttag	atgttagttt
95821	aggaaaaatg	ttgaagcatt	tggattcagt	tctactgaag	tgactaaagg	ttactgtaca

FIGURE 2-Z

95881	ttatgttcat	at ttat tttta	cttattctta	tactaactgt	ttgaattact	acagttctgg
95941	gaaagaagag	ttat tttgtgg	gggctttaca	taccagagtt	ttctattatc	agactcaagg
96001	tgacctctga	ggtacgagtc	agattataaa	acctctatct	gtcatagatt	cttagaagaa
96061	accctggcaa	acagtttttg	tagtgaacta	gaactcactt	tggctacttg	gaagagatct
96121	actctgtggg	tgtccttagc	tcaagtaatc	ttattcagaa	ccctgagact	cctgttttgc
96181	tttttgctc	ttggaaatcc	atcactttta	tttattccca	ggagtatgaa	ataaagataa
96241	gaataggtgg	agctttcaag	actttcctta	ttttgtatat	accattatct	ctgagaaggt
96301	ttttatagca	gcacttactt	gtcatgtaga	atacatattt	tattatatat	cattagaccc
96361	atagttaKtt	cagtttatag	tagttaagac	aaattgggta	tgattttctt	tttattctcc
96421	catatat ttt	cataaccctg	ttaacataag	ctaaattaga	taaaaagaaa	ctctacagtc
96481	aattgaccaa	agggaaagca	ctcacttttg	gtgactgcc	ttccattggt	tgtttattgg
96541	tagccaacag	aaacagatga	cacctgtgtc	ataatttggt	ttttgtatat	agcaattttc
96601	tttgaatatt	tcatgaactt	taacttggtt	tcaatgcagt	ttcataattg	aaagacaaat
96661	at ttttagga	attatgtata	tgtataattt	tatat ttttt	agaaattata	tttttattat
96721	atattgctac	atataatata	tgctatacat	ataattttat	attcttagga	attaaatata
96781	tattatattt	ttatatatta	gaataaattt	tatat tgaag	catttttgaa	tagctgccag
96841	aaagctactg	gcattttattc	cccagcataa	atctaattgct	atttagctta	acagaggttt
96901	tcaaagtttg	acttaattgt	cctaattaac	attgattttg	gaattttgcc	catgaataag
96961	catgttctat	ttttacatat	aagttgcaga	gggaagcatt	tcttatgatt	caccatattgt
97021	gacttacttt	aattattaat	ttgtataaaY	attgatattgt	caacaaaaac	acaagtgtta
97081	aatttagtga	cctggtcaca	agtgaatatg	tgaagcctag	tttactgata	tcaaagattgt
97141	taaggtactg	actcttttag	ttttaaattt	agttcatttg	ccaaatgaat	catgcatttg
97201	acttgattgc	aaattaaaa	aacctcagct	ctaaagaatt	aattaaaaata	cattacattgt
97261	tttttagtcc	aatgataga	aaagtttagag	aatgttttaa	ttatttggtt	tagatgaata
97321	aactat ttt	ttacttattt	ttatttttat	ttttttgaga	cRgagtcttg	ctctgtcgcc
97381	caggctggag	tgcagtggg	tgaccttggc	tcactgcaac	ctccgcctcc	caggatcgag
97441	cgattctcat	gcctcagcct	cctgggtagc	tgggattaca	ggtgtgcacc	accacgtccg
97501	gctgagtttt	gtatttttagt	agagatgaga	tttcgccatg	ttggccaggc	tggtttcaaa
97561	ctcgttacct	caggtgatct	acccgcctcg	gcctcccaaa	gtactaagat	cacaggcctg
97621	agccactgtK	cccggcctga	ataaactatt	taaaagttgc	ctgctagata	agataatttt
97681	acaccttttc	agtttaaata	cattgtctct	aataccatgc	caatctcttc	tatggatttt
97741	ttaatcacct	cttttcaagt	aagttgatca	cggacagatt	acgagcaagg	tgattttaagc
97801	agctcaggtt	gtaattgttc	cctagctaaa	tcaagttctt	aaaaaaaaaga	aaaacaaaaa
97861	attggaatgt	gtcaagattt	ggaatgagtt	ttaaactttc	atttactttt	aatagggttag
97921	ctaattactg	tcaaaattaa	tcagtttgga	attgcaccct	tgett gatta	atcatgtgga
97981	atttccagRt	aacgtatctg	tgttacattc	taaagcacat	tcttgaaaag	taaaattctt
98041	ccttcttcca	catattattt	tcatcctaca	gttttattgt	tgctaaaagta	gtttcagcct
98101	caaaatRtat	cagaaaagga	ccaccagtt	atatatactt	ctattcatct	gagatgggac
98161	aagctctttg	gtaactgaaa	tttgtcagat	aggcccaact	tattttcggt	tttcttgctt
98221	ttttgtacca	tttctccctc	ttttaaattc	tacttatggt	ttgggattca	ttcaagtaca
98281	ctactttcaa	gataacttgt				

FIGURE 3-A

>14:71227101-71317000

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1      aaacccagag atgtttaaag acacattaac cagttgcaat gtagggttcc catttggatc
61     ctgattttaa ctacaggggg aaaaatgaat gttggccaaa tatttgatga tattaaagtc
121    ttatttgctaa ttatttgagc tctgatagtg attgtgagtK tgtttgtttg ttaaagttct
181    ttaccattta gagatacata acaaaatatt tacagatgaa atcacgtgct tttgtggatt
241    tgcttcaaaa taaaatgagg tcagggagaa aagtaaggag tgcgtataga tgaaacacga
301    ttgaccatga gttgaacatt gttgaagcag ggctacatgg ggatgtgttt tactattgtc
361    ttcagtttta tatgaagggtg aaatttttcc aaatgaaaca tttttaaaaa catatccagg
421    cagagccaga aaaatcacat tcctgtagct gtctccctaa taaaaagggtc tttattctgt
481    tctttgcagc ctagaagact agtgtcactg tagctgtagt aataacagta atatcaataa
541    taataggcca ggtgcagtggt ctcacgcctg taatcccagc actatgggag gcccaggcag
601    gcagatcatg agatcaggag ttcgagacag cctgaccaac atggtgaaac cccgtctcta
661    ctaaaaatac aaaaactagc tgggtgtggt ggcgcacgcc tgtaatccca gcgactcagg
721    aggctgaagc atgagaatca cttgaaccgc ggaggcgggt agtcgagatc gcaccactgc
781    actccagcct gggcaacaca gcaagagtc cttcaaaaa aaaaaaataa acaataataa
841    taataatacc cagcattttg gaagcacata cttgctatgt gctaaactca ttaagagatt
901    tttataaatt ttctcattta attcagacga aatcttatgt ggtaagtact attattattc
961    acattttaca gatgaggaac ctgagggaaca gaagtttggt gacaaaggta agcctcacac
1021   ccagatctaa tggcagattt ccggccttga accaacaccc aaaggtaaaa gatgaagatt
1081   gctgtcattg cctcagtcct gccttctttg ggataaacac ctttagctct ttcactcccc
1141   accccacccc acccctgcca catggcctta atgccccaca ccactcctgt cacattcctt
1201   gaaacacctg ccaggagcca taaaagtagc tgagcttctt taaggatatc cagaggccca
1261   tgtgcagctt gcccacccc gatcctacc aggctgcctg gtttccaga caagctgcgg
1321   tcctcctccc tccaggtcgg gagcctgcac atgcgcatgt cccaggagtg gcgcagctca
1381   cctgggcctc ggtgcctctt ctccatccag atgtagcagt tgttctgggc caccgccagc
1441   tgtgtgtcca ggaagggaa acgcagctcg cgctctgcac acagccgtga gttgtaactc
1501   cggcagtgct caatggcttc cttgtagaac tgggtcccga gcctgccaga gtcagagagt
1561   gaaggggtga ggccaggga gactgaaaca ccccagagg gaaacacacc cagagggaaa
1621   cacacctccc tggaaagact gaagacctcc cagttatgaa gaccaaggca atgagcacca
1681   agagccttgc caatgagcag aatgcaact cttgactagg cttgactagg ttttatttcc
1741   tatcccaaat ccaccaggca acttagaaac tcctttaaca aagagcatgg gcttccaagg
1801   atgaatcacc agtaagagag agctgtccat gttctaggaa gcatgaggtc ccactccaga
1861   agggaaagtag ctctggaaca accttctgca tggaaatctag aggacatcac acttctagaa
1921   cctcctcact catattagct acattttatt ctcagaggtc accagcaaa gcaactctagg
1981   tgaacccaaa tcaccagcaa agatactcag ttttccatta caacagaaga gaaacactcc
2041   atataaaca aaactaggac agaaaaaaa ttctataaaa gtagggaat tgcaaggaga
2101   aggggggtga gaggaacagg caccaatctt ttaaaacat attacttaaa gaaaaataac
2161   tttccgatag aaaacaaaca gaattcaaca attttaaat caaaataatt caactcatgg
2221   agtttaaaaa acaaatagaa agacctttct ggtttgctag actgagaatc tgattaagca
2281   cagtatattt tacgttctg actctttgtt atttttggac acgtgggtgat gctactaatt
2341   ttaaggtagt gtccttttca aagaccaaaa atggagcatt gatataattg atcaaatgca
2401   aagcactaaa ataataatg agatcaataa cctaccaa ataaacatagg cacaggttaa
2461   taaatgcctc aaagaaatac aaatgtaata acataactta tgccaggtaa attcaagcct
2521   cttactgggg tcggggggca gtggacgcaa aggagtgagg tgtgggaaga agaagtagga
2581   agggaaaggag ccacagagtt cacagggcca aaaggagaa tcaagtgttt attctgaagc
2641   aacattatga tatctttttg ttttggttct atgtagattt cagaaagcca aaatgagagg
2701   ggaagtctct aaaaatatca tttcttaacc aaagtattta gaggaataaa aaaagcaaaa
2761   ttgggggtgtt gggttttttg ggtttttttt tttttttttg agatggagtc tcaactccgtc
2821   gcccaggctg gagtgcacag gtgcgatctc agctcactgc aacctccacc tcctgggttc
2881   aaacgattct cctgcctcag cctcctgagt agctgggatt ataggtacct gccaccatgc
2941   ccggctaatt ttttatattt ttagtagaga cagagtttca ctatatgggt caggctggtc
3001   tcaaaactct gacctcaggc gatccacccg cctcagcctc ccaaagtgtc gggattacag
3061   gcgtgagcca ccatgcctgg cctcaatttc ttaattgtgg taaaatacac ataacataaa
3121   atttcccac ttaagtgtac agtttaaggt tacagttcag tggcattaag cacatgcata
3181   ctgttgtacg accaccacta ctatccattc ccagaactct tttcatcttg caaaactgaa
3241   acactatacc cattaaacaa taactccccg ttccgcctct gccccatct cagcaacta
3301   ccaatctgct ttctatctct atgattctga ctactccaag tacttcataa aagtggagtc
3361   atacagtatt tgtctttttg tgactggctt atttgactta gcataatatc ctcagggtta
3421   acctatatta tagcatatgt cagaatttcc ttccttttta agtcagaata atattttaag
3481   tcagaataat attttttaag tcagaataat attccattgt atgcataatc caacttttgc
3541   ttatccattc atctgtcagt ggatatctgg gttgcttcca cattttagct attctgaata
3601   atgctgctat gaacatgagt atacaaatat cttttcaaaa ccctgctttc aggtggggcg
3661   cagtggtctc tgctgtaat cccagcactt tgggaggctg aggtgggtgg atcgcctgag

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FIGURE 3-B

3721	gtcaggaggtt	cgagaccagc	ctggccaaca	tggtagacacc	ccgtctctac	taaaaatata
3781	aaaatttagct	gggcctggtg	gcagacgcct	gtaatcccag	ctactcaaga	gtcgcttgaa
3841	ctcagaaggt	tgtggtgagt	tgggattgtg	ccactgcact	ccagcctggg	cgacaggggtg
3901	agactctgtc	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaacc	tgcttttcagt	tcttttaggt
3961	atatactcag	gagtagaatt	gctgagtcac	atggtagctc	tagttttcat	tttttgagga
4021	accaccatac	tgtttttcat	ggcagctgta	ccattttcca	tttctacca	cagtgtacaa
4081	gggttccaac	tactccacat	tctcatcacc	acttgttaga	aagcaaagtt	ttaaatgcac
4141	ttttctatac	tcttttttaa	aagtcaacgg	gtcaggttct	aacaaagagc	ttaaagcaaa
4201	tatcttactg	tgggaaaaca	caaccctgga	agcttctgag	gcatcatttg	gaaattactt
4261	gttgacaagc	atccaaaaaa	aaacaaacaa	caaaacaaaa	accctttgct	cctttttcac
4321	ctctgaacat	cttcacattc	ataaggagg	cataatacgc	tcagaaagtg	tctggcagt
4381	tgcaaaaacca	aactgtaatc	aaattgtaat	agtcacgcag	ctggaaatga	attggggagg
4441	ggagatgaaa	gccattaca	atgctataaa	actgaatggc	acataagctg	atgtaatcaa
4501	agctggtaac	aaggatcatg	agattgatca	aaaataaaga	accacttttt	acaaagtgtt
4561	tgtgtcacac	cagcttaaat	gcttcttct	gctatggcga	tgtagctcag	tggaacagaa
4621	ctttcacagg	cagcttgccc	cagacaagat	gacccaggct	gttcagggtg	tcttgatgc
4681	tcagccccc	acccatgaaa	cagcaagcag	ccataccaca	tcgatagaga	actgacaaga
4741	acatttgaca	gagaggtgtc	caacgtgaga	gcagcaatct	gttttcccag	gaccttctga
4801	cagactgcca	aaaaaaaaag	atgttaatta	tcccaacctc	agaaattctg	ctgaaaagag
4861	aacccataaa	atcaggcccc	ccaaaaaac	aaaatgaaaa	attgtatagc	aaaactcatc
4921	tactggagat	gatcactttc	aaaataaatt	tctggaaacc	aatacaaaa	aaactctcac
4981	agtagatttc	caaatgggac	ttgtccta	atgctagtaa	ctcacttcca	acagcgtcaa
5041	tccagacaag	aggaacaaga	aactgaactt	gctaaaaatg	caaagtgagg	ttggccaaca
5101	ctggtgctcc	acaccaactg	gatcgagaat	gtcaaacaaa	gtggcacact	ggcgaaaaat
5161	taatttcatc	ttaataactt	tctactttca	taacatgcaa	tgttattagt	tacaagcatg
5221	ctgggggaaa	atgtatattt	cttaataata	tctttgtgtg	aatgataacct	gtcttatgta
5281	aacagaaaag	actttctgtg	gactggaaca	actgtattaa	agatcgaagc	tgcaaaaaaca
5341	tgacattcaa	cagccctct	accatcatct	ccagggaagt	ccttttaaac	agaccagggtg
5401	ttggcagaga	ttcggaacca	aaatttaaa	cctttttcaa	gatataagag	gagaaaagag
5461	atttcatcct	ccctgataaa	ttcaagaagc	acttctccaa	aagttaatta	gccaaaaatcg
5521	tcacagggct	tgctatgctc	ctagaagaa	aatcaatgac	tagttctccc	taaccctag
5581	aaagcaattt	aaacagcaga	ggacaatgt	cctttccaac	atgggtatttc	tgcaaaaaaa
5641	aaaaaaaaaa	atcccacaat	gatgggatcc	caggagtgc	atttacatta	aagtgaagg
5701	cgtcagatgg	agcagggaaa	ggctggcagc	aaatgactca	tctgtggagt	ggtgaccagt
5761	gtaccctggg	ttggatcaca	catgggacag	tcccagccat	cacctgcag	caccaaactg
5821	agggggctgg	atccccaagg	gatgatgat	gtcttaggct	agaggaagct	ggcacaaggc
5881	agggtagaat	gatgttctta	tcaacaactg	acttcaggct	actcaaggct	gcaatcagaa
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6061	gatccccatc	gaattgagaa	gccagcccag	ctctgagagc	tgagtgtttc	tacatgagat
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6181	cagaatggga	aagatgagac	ttctccaaag	tgactgccaa	ccagggtcca	aatgtgattt
6241	ttcagagccc	atcaatcaca	acccctctaa	gacctctgc	tctcttctct	ccaacctcct
6301	gctctcaaga	ccacacctgc	ttgctccgat	ttctcagatc	actctcaggt	ccagccagac
6361	acctgggctc	ctccctttca	ctgtctctct	ggttctgtgc	tctgacctga	ggacagggtg
6421	cctgccatac	cagaaatgtg	agtccaatag	caagtttctc	atcttctgcc	agaagcctgc
6481	tcccgcccac	tcaagtctca	atcctcctag	gggggggggt	gggggtgggg	gccgaggcta
6541	tgctgccctc	cctctcccta	gcaactggc	cttgactctc	cccttgccct	caaaccatct
6601	ggaactgagt	tatttcaatt	atcaggaagt	cgctctttct	ctccactccc	cctgtgtggc
6661	cccaagtccc	ctttgctgtg	taaacaggac	cttggcccat	cactactatc	tgtgcacaga
6721	agcagagata	agcagagctg	aagagaagcc	ctggcctgtg	gcaggattgt	ggggctctc
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6841	gctgttcaca	ccgccagagc	cgccacaaa	cacacacgaa	agctcatcta	caccaatatg
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7201	atttgatatt	taccctgcc	caaatctcat	gttgaaattgt	aatccccaac	tctgggggtg
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7321	cgtgatagca	agtgaattct	tgcaagatct	ggtcatttaa	aagtgtatgg	tgccctcctg
7381	ctgactctct	ctctcttgct	cctgttttta	tcagtgtgaca	tgccctcctc	ccctttgcct
7441	tctgccatga	ttgtaagttt	cctgagggct	ccccagaagc	caagcagatg	ccagcactgt
7501	gcttctgtga	cagcctgcag	aacgatgagc	caattaaacc	tgttctttat	aaattaccaa

FIGURE 3-C

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7681	ctctcactct	ctcaatctct	gccatgagag	gacacaaaaa	ggcagctgta	tgtgagctat
7741	aaggaggact	cttacctgga	atctgaccct	gctagcaccc	tcatcttgaa	cttcccagcc
7801	tccagaactg	tgacagacaa	ttattttaagc	caggggtccc	aaacccctgg	gccacagagc
7861	agtaccagtc	catgcctggt	aggaactggg	tggcacagca	ggaggtgagc	tgtggggtac
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9241	tcagcaagtt	acttaccctc	cctgggccta	aattctacta	ctcacaaat	gggtaataata
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11281	gttgaagtca	aggagctgcc	aaggacaaga	gactggtggc	aggataaaa	cagtgtgatt
11341	ccttccagta	aataatgggtg	gggtggcggg	ggaggtggga	aggggacgct	ccggggagga

FIGURE 3-D

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11521	ggagaagcct	gctttatcta	gggtgaatca	tacctagaaa	gaaaacatgc	atccgtcaca
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FIGURE 3-E

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17821	caagccctcc	ttctgttctt	ggaaaactcc	tcttccccat	ggcagctgca	tctcgaccac
17881	caatcctact	ggaccacagg	atgcaggagg	actacactgt	gtcctggatc	tcgtcattac
17941	aagagcagga	ggtgagcact	gagaaagatc	cagaagaact	catgcaagca	gaggctgtgg
18001	tctgtgggga	ggagggccgg	gcagggcagc	ggaccagagg	aagaagcaac	aaagaaggaa
18061	ggggaagagg	aggaggagga	ggaggggggc	cgcagagtca	ctgtgggtgg	aggagagaca
18121	ccgccagcac	atgccccaca	gccatcaata	tctcttcgga	ggacagatta	tctggggaa
18181	ttatgctctc	taataattac	cttgacagag	gttccactta	tcttaccaga	ggaatctgcc
18241	agttgccaga	cacacaggat	tctagtcaat	tccatccaca	ctgccctccc	cctctgccct
18301	cctccccacc	tccttggtct	ctgacttctg	acctctgaat	tctaaccttt	ctttgcctct
18361	ccagtctagg	gggaggttga	tggtggaagg	gtcacaacaa	cttttaacag	atgtaaaggc
18421	caacaaagg	gttggtgggt	tgtcccttat	cagtagatat	gagagttaac	gtcccaaagt
18481	tgaggccagg	cctgaggaag	tataggctct	tgccaaagac	agtgtgtgaa	gggccaagca
18541	atgctttggg	gcagactgac	Wtgattttt	ttgtcttcac	ctgatgccat	ctgagtggtt
18601	taggattaat	tttatcttct	agtcttcaca	tccctcctca	aagccttctt	atccccaStc
18661	cagccctcca	gtgaggcctc	cctccaataa	tggYgtggct	acttattcga	aaaccatcac
18721	gtgttgcttt	gggttgctgt	ggtttcttta	aacgcacgtt	gcagtcctgg	ctgtgagctc
18781	ctggagaaca	tgggtactgc	atccgtactg	aatcaggact	acctgagcaa	cagtaacaac
18841	atccagatgg	ccctgacRgt	ggcggggaca	gtgccctccc	tgcttagaaa	caggaaccac
18901	atttcatctc	cacaacaacc	ctatgaaaga	gatgctacta	ctaccctcca	ttatacagct
18961	gaggacctgg	gagctcagac	agcttcagtc	acaggcccac	ggtcacttgg	tcagtggcca
19021	agtcaggatt	tgaaccagg	ggtcttgttt	cagagtctgg	gctcttaacc	actccacacc

FIGURE 3-F

19081	acgctgcctc	tgtaggagag	gtttgctgac	tgattcggac	atthttgtgtt	gtatctatcc
19141	gcttattttaa	gtcatccttt	tctaaaaataa	taattttttt	tgagacatgg	tctcgctctg
19201	tcactcaggc	tgtgcaggag	ctctgtcact	caggagtgc	gtggcatggc	tcactgcagc
19261	ctcgatcttc	agagctcaag	caattcacct	acttagctac	cccagtagct	aggactacag
19321	gcatgtgcc	ccattcccag	ctaatttttt	tttctttttt	taagagagat	cggtgtctac
19381	tttgttgccc	aggctggct	caaactcctg	gactcaagt	atccacctgc	ctcagcttcc
19441	caaagtgc	ctgggattac	aggcatgagc	ctgggtgcac	ctgggtgtgt	gtcctcctc
19501	cttaggactc	cactcactgc	tccctectca	gggggcctcc	cccaaactcc	ttagctctgg
19561	cactcattct	ttttccatca	ctctggcacg	atgccaaacta	tcaaaaatta	ttttataggc
19621	taggtgtggg	tggctcatgc	ctgtaatccc	agcacttttg	gaggccaagg	caggcagatt
19681	gcttgagccc	aggagttcaa	gaccagcctg	ggcaacatag	tgagacctct	tccctactta
19741	aaattaatta	atttgccagg	cacaatggct	catgcctgta	atcctagcac	tttgggaggc
19801	cgagatggga	ggactgcttg	agaccaggaa	ctcgagacca	gcctgggtcaa	caaagcgaga
19861	ccccatctct	taaaaataa	taataaataa	aaaataatta	attaatgtat	atgtttatth
19921	actacctgct	tttctcaata	gatataaaa	cttctctggga	gaaagactgg	tctaatttgt
19981	tcacccctct	atcaccagt	cctaaagctg	gtccctagca	tatagtaggc	actatataaa
20041	tatgagttgg	atgaatgaat	tgtctgtatg	ccccactgag	cattccataa	tacatgatgg
20101	ctacttaatt	ggacacttta	ttttatgcaa	actcatctat	ctgttcttta	tttattagac
20161	tttacagtgt	accaggcacc	ttgctgagta	ggttaggatt	tcactgtacc	ctgatatgag
20221	gtagagaata	ttgtctttat	cattctcatg	ttacagatga	ggaaactgag	actcagaggt
20281	tacacagctt	gcccagacc	atacagaaat	agggtaaagac	ttaaccccca	ttctgtcagt
20341	ccccctgagt	ccatgatatt	aagcattctg	cctcattgcc	tctggctggg	tccccctcagt
20401	aacatgattc	tctttacccc	tgaacctcta	aaatgtcccc	agccttactt	ctccccctc
20461	aagagcccca	tcgctctttt	ctctggcctc	tgtgtgctgg	ctctcctcca	ttggtccctc
20521	cagattctct	ctctgccatt	cttttcctg	ctgggtgctg	cggaagtctg	tcctgtatgg
20581	tcagccattt	gccctcttcc	ctctgctcct	ggtgggtctg	gtcaatggca	ggtgcccaga
20641	gagggaagag	agacagggga	tttctctccc	cgcctcttcc	ctgctgtgga	gtgtctgcat
20701	ctgcccactg	aaggtcacag	ctcctgtggg	ccagccctct	tcatacagct	acctctgcaa
20761	tctggtgacc	ttcccactc	ccccgacctc	gccctaggct	gctgcactag	ccccccacca
20821	tgtgagtccc	tgcccgcagt	tttgaaacta	gacatgttac	taaacactcc	tcagtttact
20881	tcgtgtggag	ctgctgcttt	gctggaacct	tgctctcgg	acatatgagt	gtacatggc
20941	ctctgcccct	ccccaggctc	ccccgacct	gcccgtgccc	cctgggtcact	gcagctgcct
21001	caccaggccc	ttctttgctg	ccagggtttg	ttctctgtct	ccaagacctc	taataaatatg
21061	ttgatttgct	ggcttgaagg	tttgccctgg	cagccccacc	agggagagca	gtgccctggg
21121	gagcccagca	agcccacagc	aagctgtcct	cccaagacta	ggagaaagca	gagagcatcg
21181	ggtccaattg	aggggtcccc	tatgctcgga	gcttccccct	gtgcgggggtg	ttaaggggacc
21241	cctcagatga	tgtcctgggtg	cctcaaaaca	agccgccatc	acagcttcaa	aatcacaata
21301	tcatttggtg	agcaactact	atgtggcagg	ttctgggttg	ccatttgcat	acatttactt
21361	tcattgttaa	agacgagaaa	aacaagtcca	cagaggttaa	ggaatttaac	caaaacctca
21421	aaactactaa	gtggatgaac	tggaaattaga	tcccagggtca	gccccaaatct	ataaggccctt
21481	aattcccacc	cagtacatgc	tgctcactga	cogatccctt	tgaatgacag	gaggcccaca
21541	gactcgaacc	tagtccaggc	aggcagctca	gagatgccag	ccacccatgg	ctgggaggag
21601	atcagggtgga	gcaggatgac	agttaggata	aagggcacag	agggctccat	gctgcctaga
21661	gtcactttgt	ccaaggacca	tggcacagtt	tggccatagt	gactgctgag	cagccagggg
21721	gctggaacat	gccccccacc	cccgcctcca	accccgacct	actgtctcct	cctgcagagc
21781	cagccaggag	ccatcactcg	tccttgggca	cacaccagca	tttcaagaaa	acaagcctgc
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21901	gagggacagg	gtgacacaaa	gagggggaag	gcctcctgcc	gctggacctg	gagccgactg
21961	tgcttcccta	agtcctttct	gcagccaaaa	ggcacattcc	ctgagaacac	cgctcaagat
22021	ccaaaggcct	tcgcttttta	tttttttagga	agcaatggca	aaaaaagaaa	agaaaaaaag
22081	aaagaaaaga	aaagaaaag	aaatccacat	ttctagtgtt	gggagcgatt	cttgaggcca
22141	aacacactct	cttgacacac	cacaccccac	agcgcttccc	ccacacagcc	caaaatagtc
22201	cacaccatgg	actcctggag	aaccggctc	agcacagcct	cccagccttg	gtccacatga
22261	ctgctggcca	gctctcagtc	cccagggtaa	caaagtactc	caaggacccg	cagtagcagc
22321	gcctgtcctc	acagaccatt	tcacccctcc	cagcgaagtc	ccatctgctg	tgtctcgatg
22381	gagccaggtc	cagttagcag	aggcctactc	caatgacctc	gtgtggccca	aatctccaga
22441	gctgacctga	acctctctcc	ctcaaccctc	ccaaatctta	gattgctgct	gctgcttctc
22501	caggggaatg	gctcccacaa	cattttatag	actgcaagga	aaatatccag	aactgagacc
22561	gttcttcaaa	ataataatth	aaaaaaaaaa	aacactgctg	aaacacagaa	ctgggtgtta
22621	tcttataaat	tctgcacaaa	tagaatttga	atgctctcac	tccaatcaaa	atcattctcc
22681	gtccctccct	ttaaacactg	aaagtccaat	tccccctaaa	gacaggattg	caaacatgat
22741	taggtccaat	taattttatg	agaaactcag	aatgaaagga	gagaaatcaa	tagaactgcc
22801	ttgttctgat	cactaccgca	aatgaagtaa	taattttgaag	gagatctgga	aagaaaggaa
22861	acccaaagtg	tcacaccgca	gccattggcc	atttaacaag	gcagcattgc	cccatgtgga

FIGURE 3-G

22921	ctggctgggt	ggagaagacc	actcaagctt	acaagacact	cctggggaca	gaggggaggg
22981	agagacagct	gaggtcactt	gctttctctt	cattgtacag	catgaggctc	actgggtggt
23041	aatttctctc	tttctcacia	aagcaagacg	taaaagaaag	taaaaggcaa	aaagcatcca
23101	cacaagctgc	cagtctaata	aggacactgg	taatctccag	gcaggccaag	gcatatggg
23161	ctccccctgc	agcttcatgc	taagtttatc	tccatcctca	cactctacct	ccatctctct
23221	tccatatcca	ggaaggaaaa	aaggaaatta	acaagccggc	atccaacatc	catcctgaat
23281	caccagctgg	gccatgtaga	gcatccaaag	atgggggtgg	gaagccccag	gggagagaga
23341	gacattgaca	gatcacctgc	cccacctctc	acttgccctg	agctcccttg	catagatgat
23401	gctggcaaat	tcaacgtgat	tttcattgga	cctgcccagc	agtccagatg	tgggagccta
23461	ataacaaata	acaatgccag	ctccattgta	tccttgacc	ttcaagagaa	aatgccttgc
23521	tggccagctg	ggttctctgg	gcaccctcca	gccaccttgc	ctgcttctgg	atggagggtc
23581	gtgaagctgc	tcctggccta	tccaaatggc	cagtaaacad	taacattcat	ccagtcaggc
23641	aacatccatg	gagtgcctat	tccatgccat	gctgccccat	gtgggaggca	gcaaagcgct
23701	tcagtgaag	gctggggcac	tggcatgagg	acaccaggtt	tgagtcccag	ctccttgctt
23761	acttgctgtc	tgagctgttg	aactctgtga	gcttcactac	cctcagctgc	aaaatgggta
23821	tgataataag	acccttctca	tggcttctac	gacaagaaca	aatgagggtg	ctcactatg
23881	ggtgatcagt	aaatatttag	ggttattacc	acaatgtggg	gtccctacct	ccactcattg
23941	ccaccaccag	tgccagaaaa	agccagctca	tgagttaact	cccaggcagt	attatccact
24001	ccaggggcct	ctctgtccac	acagatgagc	agaagcagaa	tgcatgaaaa	aataaaatag
24061	ctcaatgcca	ttgctacaga	ttgccccacc	accaccatct	caccagtcag	cttcaagcca
24121	gcggggctcag	cagtcagaag	cacagccaag	agtgtgggga	tgattccgtg	acaaaccatc
24181	ccagcagca	gaaacctatc	tcacagcaca	catcctccca	gaagtgggtc	aagggcattc
24241	attgcctttg	tttaaaggca	ctgggtcaca	aaggaggagg	agccttagca	ggttggact
24301	ttgggatatt	ccacaggaca	ggtagaagg	tgtgtgtgtg	gttttctatt	gctgctgaga
24361	caaattacta	caaactttgt	agtttatgaa	aacacaaatg	tacgatttta	cgttcttaga
24421	ggtcagaat	ccaaaacgag	tcctaaggct	aaaaatccag	gcatacagcag	gctgtatttc
24481	cttttgggaag	ctctaaggga	cgagtttctt	ccttgacttt	tccagtttcc	agcagctggt
24541	ggcctcttcc	tcccatgtgt	cacttctacc	tccacttcca	aYgtcatatc	tccagctctg
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24661	ataagccagg	ataatctcct	caYctcaaag	tccttaactt	aatcacacct	gcaaaatccc
24721	tcataaccatg	taaggtaaca	tattcatagg	ttccaaggat	taggacRtgg	acatctttgg
24781	gggtaaggtc	acgcttctat	ctaccaaagg	cgtgttctgc	tgtgctgca	aggtagactt
24841	gaataccgtc	aaagcaatgg	tgaagaattg	aaagaaacgc	agttatgtcc	taagcccagg
24901	aatattgaag	ctgtcctctt	tttgacaaaa	aaaaaaaaaa	aaaaatatat	atatatatat
24961	atatataagg	cagatggtgc	ctaagagcat	aggatttgga	accacatcgc	tctgggttca
25021	aatcttaagt	tcaccaccag	tcccagctga	agctattcaa	gaccagaagc	tcatctgtgt
25081	gaacttccat	tttccaaca	ttgtagggtt	gatgtatcct	aaggaataaa	gaacaaaatg
25141	cacgcagaat	ctttcacacc	atgtctggca	cacagtgaat	gcttagtaaa	tggaactaa
25201	gaaattgctc	ggtactgtta	ttctattagt	ttggttctat	cagacccagt	cactaaataa
25261	accagtttga	cgtgaagtac	ttggctatca	gcaaatacta	ccaggccctg	tcaagtccca
25321	ggaatcagag	gggctgtttg	gccaatgcag	actgaccctt	tcattgctgac	gtcagggagc
25381	cccagcagag	acaaccaaa	atctagagac	atgatcaaaa	tttccctgtc	aggacatggt
25441	ccagaaccat	ggatctcagt	ttactttccg	cagaaagaag	aagaaaaggt	gaagcccgca
25501	cacttctctc	ttccacaaac	tcaggcccca	ttcccttgta	cgtctttctc	ttataaacia
25561	ttgcacttta	ttttcaattg	tgttgtgata	aatttgagct	atagcttaca	gtcaacaatt
25621	tctatcacaa	atctttctgc	cttccaattc	tgtgtatgta	caaactgagg	ctaggacca
25681	aggaacgaag	actttatctt	acatgaatca	tttgattcca	ttactgaaat	ctctcagggtg
25741	aagttaaaat	atatatacac	tgggtctata	ttagaatata	tgagacttga	atltgatctg
25801	ctaattagct	gggtgacttt	aagaaagtat	gtaacttatc	tgagcatccc	tttccccatc
25861	tataaaagga	ggcagaggcc	aggtgcagtg	gctcatgcct	gtaattccag	aaggcggagg
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25981	tctctaccaa	aaatacaaaa	aattagccag	gcatagtggc	atgggcctgt	ggtcccagct
26041	actcaggagg	ctgaggtgga	agaatcactt	gagcccggga	ggcggagggt	acaataagcc
26101	aagatcatgc	cactgcactc	cagcctgggt	tacagagtga	gatttattta	tactaaata
26161	aataaataaa	taaatggaga	caggaaaatc	tgcctcttaa	gactacagca	tgggttaaat
26221	agcatgtaaa	acctttggca	tgttggattt	ctagagcatg	tactatgtct	cagacactac
26281	aataaacatt	gtatgtgcat	taattcattg	aatcctaata	acaactctat	gaggtgctgt
26341	ttattattcc	tattttccta	gaaagtagac	ctcttggggc	cagggatagt	ttttttcatc
26401	ttcaactccc	aactcaaata	ccctgtgagt	ggtaaatgca	agctacaact	atcattgtcg
26461	atagttgagt	ctggaatcac	cgcagacgat	tttataaaga	tggaccccaa	gaggtaggga
26521	ggttttagaga	aaaggaggaa	ggagagtgtg	caggtcttcc	caatggggta	aggcgaggca
26581	tgaggaagtg	acaagaaatg	ccaagccagt	aagaagacag	gacgaagcat	cgcacctgga
26641	tagaagacta	agtaaaacta	ccttcctgtg	gctaaggggt	ctactaggat	acactcattg
26701	acttgctttg	gccaacagaa	tacagtggaa	gttagattac	accagttcca	agctcaggcc

FIGURE 3-H

26761	tcaagaggcc	ttgcaagcct	cccttctgct	ctccgggaac	cctgcctagt	tgcttagcat
26821	atgaatacgc	ttgggctagc	ctgctggaga	atgagcagac	acagaacaca	aacaagctat
26881	cctagatgaa	gctattcatc	taggacaagc	tgactgcaga	cacatagggt	aaccagccca
26941	aatcagaaga	accagctagc	tgagcccaaa	tcgaattgcc	gacccacgga	atagtaagca
27001	aaataaatgg	ttgctatttg	aagccattaa	gctttatggt	gtttttggtat	gctgcaaaaac
27061	taacagaggg	aggagtcaat	gtctcattca	tctttatatc	ttcaacagcc	aataaaaagtc
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27181	atacagctgt	gaataaataa	atgtcatatg	ctggaaaact	gaaatcatgt	aagatcgcat
27241	aattctattg	agatacttca	gcttaaagaa	tattttttaa	tggggttggt	tgctacctaa
27301	ttttaaaatc	cattttcttt	tttcttccta	gccaacatcc	ttttccacaa	agtttagtca
27361	aatagaaaaa	aaagtttcac	atgaacatac	aacgtaggat	gYggtgatcg	aaaactagac
27421	tggttgctta	gagatccgag	ttctagactc	aactctccca	ataactggga	gaccttgcta
27481	attctcttaa	ttaccatttc	tacgtctata	aaatagatat	taaaaaatta	cccttccctg
27541	tcaacctcac	agggttggtg	tagcaaataa	gacagcatgg	gaaggctctg	agcacttttt
27601	accgtcaatg	attctacttc	cagccaggct	cagtggctct	tgccgtgtaat	cccagcactt
27661	tgggagtctg	agggtgggtg	atcacctgag	gtcgggagtt	caagaccagc	ctggctaaaa
27721	cggtgaaacc	ctgtctccac	caaaaataca	aaagtagttg	ggtgtggttg	caggcgccctg
27781	taatcccagc	tactcaggag	gctgaggcag	gagaattgat	tgaacccggg	agggtggagg
27841	tgcaagtgcg	caggatcgca	ccacggcact	ctagccaggg	aagacagagc	tagccttcat
27901	ctcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagattctac	ttcctctata	agcagaactt
27961	tactttttga	tggtttctag	tggttttata	atatatcctc	ttaagagccc	catttatcct
28021	tttgcgtgct	tccttttaat	attctgtatc	ccagtagcca	tattttcaac	atacatacat
28081	acatacatgt	atgaaaccaa	gataggaaat	ggttaaaatt	atccttgata	gtggagaaaa
28141	ctattgctcM	atccaaagag	agctggtatt	tctggcactg	aggattacat	gtgaccaagg
28201	tcagacatga	tacctgcaag	atgtatcctc	tagctccaga	gttcccatgg	agaactcggg
28261	gtccctagtt	ggctgcagca	ggggctgcca	gctgctaagg	atgcagccag	atccctttcc
28321	gtttccagag	acttctgccc	agtatgggaa	gtcagaagct	ccacactcca	agtatggctc
28381	ttccacaacc	tcagtctctg	ccttgggcca	agtcttgaga	tcagtgtagc	tgagctccga
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28501	agaaccagg	tggaagtcca	caagggtgct	caggcatatc	agggttact	gccctctcct
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28621	caagcatctc	aggagtgtgc	aggagcgagc	agaaggtagc	ctgtgtcctg	aggcgctgca
28681	ttctccccat	cccatgaatg	atggggctgg	acagaagaca	tcagggacag	caactcaaac
28741	caactgggcag	gtggggctga	atggatgggc	aacactggcc	gtgctcaggg	ctctgggtct
28801	tccttgacag	tgcaattgta	atacctccat	ccttccatca	acccatcctc	cctatgggtg
28861	acataggttg	tctgcctgcc	cagataccat	tctacctcct	tctagtaaca	atacctccat
28921	tttctacttc	tccctcacta	tcagtgtgtg	aaaatcaacc	ccactctacc	ctccaaacttc
28981	agagacaggg	ttgtgactag	gcctggccaa	taagaaaacc	ggccatgttc	tagccagcca
29041	tggtgactca	cacctataat	cctagcactt	tgaggaggct	aggaaggagg	attattttgag
29101	gccaggaggt	caagaccagc	ctgggttaaca	tagtgagacc	ttgtctctac	aaaaattggc
29161	caggcatggt	gatgcacacc	tgtatcccca	gctactctag	aggctgaggt	aagaggatcg
29221	cttgagccca	gtgagccacg	atgacccac	agcactccaa	cctgggcaac	agagcaagat
29281	catatatgta	tatatatata	tatgagaaag	agacccacat	cccttagtga	tccgttcaag
29341	agtgatcagt	tcaagggtga	aaatgtggtc	tgaggcaggc	aaattagagt	caatcctgga
29401	acttctgggg	gaaagaggca	ccttctttct	ccttagtatgg	aaaggcagat	aacaatatat
29461	acctgaagca	gctgggagcc	acccatcaag	caggcctggt	tacaaaggat	gccaatgtaa
29521	agaaaagtgg	agtttagaga	tgaaggagag	atggagggag	tcaagaggac	cttgctgagc
29581	ccctagaccg	agtcacgagt	gaagaagata	cactcacgag	ctgttagtta	catgagccca
29641	cacattcctc	tgtgtgctta	agcactatga	gttgagtttc	ttgccatttg	caaccttaaa
29701	aagccctgcc	tgatgcacat	cccaccattt	gatgttacca	acagactcta	ataaggctga
29761	ggaagaaccc	aggggcccc	tccaaatacc	tctaggctgc	ttgaactcaa	atgcttttga
29821	aataaggatg	gttcactgtg	gctgtcagat	gccacacatc	aaacctgaaa	ggaaattcta
29881	gccagggaat	gctacagatg	gcagctcacc	acggccccca	ccactcctta	ttgtctttgt
29941	caagcccatt	tcctcattta	ccttacctgc	ctggtccctt	taaatacata	agtttaccat
30001	cccttattag	atggataaat	agataaatgg	atggatggat	ggatggatgg	atggatggat
30061	ggatggatgg	acggacacat	ggatggatgc	atggatgcat	ggatggatgg	atggacacat
30121	ggatgcatgg	atgcttggat	ggatggatgg	atgcatggat	ggatggatgg	ttgcatggat
30181	ggatggatgc	acagatggat	gtatggatgc	atggatgcat	gcatgcatgg	atggatggat
30241	gtgtgcatga	atgaatgcat	gcatgcacag	atggatgcat	ggatgcacag	atggatgcat
30301	ggatggatgc	atggatgaac	ggatgcatgg	atggatgcat	gaatggacgg	atgcatggag
30361	gaatggatgg	atggatagat	gcattgggtg	atgcatggat	gggtgcatgg	gtggatgcat
30421	gagtggatgc	atgggtggat	gcagggtggg	atgcatagat	ggataggcag	acaagcaagc
30481	agttatgtag	ttgcaagttg	aacctacaca	caaataaggca	tgatacaact	aaagaattaa
30541	aacggcagcc	cactgcagtc	agggggccat	ctgacaatat	aggaaaggag	ataactatag

FIGURE 3-I

30601	gcttacttct	gtatggtttt	gggtgtctgg	aataacggga	gatgactctc	tggttagcac
30661	tcaccctgta	gttgtgctcc	tccctctcaa	gccacagtgg	ttaacaccac	cttaccaata
30721	gtgcagtaca	aagagaagcc	agtctctggca	ttcacaggta	gctgtgaaaa	gctggcccta
30781	aaaggcagtc	tcgctcaatc	cccagcatct	acttggatct	gggcaggcag	ccacagaaac
30841	agaagaagct	acagaggatg	caggcactgg	gttttggtgt	ctggacatgg	aagaattgca
30901	ggccaatatc	cacaaatgta	tccgtgaggc	tctggctctg	aaacaaggat	gtgaggacc
30961	caggatggct	ggtgagggac	actaagtggc	tcaaagaact	gagaaaaaaa	taaaaacata
31021	gcagcaatag	agaccagagt	ccgagccagg	acaaggcctg	tccctcagcc	acctggctga
31081	aggcatcatc	atgacctcaa	ggaggtaact	ggtgagtcac	acagaaccac	actgtgcact
31141	cttcaccatg	gtttatatgc	tcacagtcca	ggcaattgct	tagaaaaactg	catatcggtc
31201	atgcccctat	gaatcacttt	cctccttttg	ttgtctttgt	gaagtcatca	caaagttctg
31261	agtgggaagaa	ttcttccagg	gactgccaaag	gagtgcacact	gtagccaggt	gggttcagct
31321	ctcactttgc	tcaggatatg	ggtgtccagt	ggcgacagat	caggaaaaata	gccccatact
31381	aaatgggtgcc	tggacaaggc	ccatacacac	ttggatatgc	tgtcctgaac	acaaggcaca
31441	agacacaaca	cgggaggacc	tttcatctca	tgtctcttac	agccagggac	tgaagggtga
31501	ggacagtagg	agaaaataga	gtttcacata	aaacacccca	aggacatcaa	agaaggctag
31561	ctgccaaagag	gtaggaagaa	ctagattctt	agggacttat	ccttggggat	tgtaccacc
31621	cctgccaggc	atccaccttt	ggggtgactc	agagccaaga	aaacaaaggc	atgggataag
31681	ccatggaaaa	caaattcctg	ctgagtagca	aagagagtgg	caccaacaag	tggcaccatg
31741	tgagtgcaca	gagcaagcaa	atgctcacac	agggacagct	gggtgtgcag	ggccatcaca
31801	gtccccctta	ccccaccac	ctgaacacta	cgagacaaat	gggactcctg	gtttctgccc
31861	tcaacatgct	tatatttgag	agaggccaca	ggaccagcga	gtgcagagtc	atggcgaact
31921	gtacacaacc	tggagtcagg	agacccatgt	tctcacctg	ttctgttgcc	tcgggggccc
31981	tgaagcccat	cgctaagtgt	ttKgggctcc	agtttgctca	tctgtcaaga	gagaaccctt
32041	cacacagctc	ctaagtgtctg	tgagtccctg	tctctcagac	tggctaattct	ccaagggcct
32101	gccagggtccc	acatgcatgc	tcttgagagt	cacatagata	tcaaagctca	aaattagctc
32161	ctgggagtgg	gagcaaaagt	cttgagcccc	cagccccctc	tgtgagcaca	tacttcaagg
32221	cacatgcccc	caacagccca	gaactgacac	atttttgata	gttcctgagt	acatggattt
32281	ccagccctgg	aaatgtttgt	tttaacttac	caggagaaaa	gaatttggat	tcttttttaa
32341	atatacacaa	agggaaataca	tttgtatatt	ttcagataca	aagtggatgg	gaagcaaggc
32401	taaagactgt	tcttttccct	tagtctatgt	gagtgtctatt	cctcacgggtg	aattctccaa
32461	agaccatgaa	tggcagagat	ctttgatctc	ccttctagcc	tgtctcgatg	tgatagcctg
32521	gacatgggca	gctatcacgc	caccttccag	aacctcagca	cttcaatgac	cacatcctgc
32581	catcatcacc	cccatggagg	tccaggggccc	ctgccccact	gcctacctct	ccacctgtgc
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32701	aaatgcaagt	gtcagatgga	gaacaaaata	tatttttagta	taacatgtgc	cttccatggc
32761	agcaacaactg	aagcaggccc	cttccaaggga	tagaaaaagtc	ctcctctctt	cctaagtttg
32821	tgtccataga	atctcatcca	gtggcctttc	tgtcccttg	cttcaaatga	aacctgccac
32881	tgctctctct	tcagggtgaa	gtgtgaagac	cgtggcttcc	aaggccaata	ggcatggagg
32941	tagtcatccc	attcagacgc	caatggttct	tagtcaaaaa	agctgcttat	ggctggagtc
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33061	acaagaaaca	gatattacca	caaaacactc	caagggaat	ctcactacaa	aaaaaggagt
33121	tggtgcctgg	tgatggctgg	caatgggcca	tgaaaaccta	gttctgattt	ttagatacaa
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33241	acttgaagat	ctttgacctg	cctaggtggg	caactggagt	ggaagctcca	caagggtatg
33301	aatgctgtct	tttgttttcc	tcactcttat	ggactagtcc	atctagtcca	ggactagcct
33361	cagagtgagc	atccgatgat	ctgaggaaga	ctgaatgaat	gcgtgaacac	atgaatgaat
33421	gcctacattc	tccaatatgt	cccagaaagt	gtcaagagct	ttgtaacgca	aaaggctctg
33481	aacaactcaa	ataagaaaca	caaacatgtg	cagtgaagg	gctaggcctg	gatggcctgt
33541	gaggtcattg	gcaatgtggt	gagcccttga	gcctgtcata	cacaggcaaa	taacttcaat
33601	gaaagaattt	taaacgctac	ctccaacacc	ctagctcagc	atctatggtt	gaagccacca
33661	tgcccagtca	tgggtataac	cccagaaggg	aagggtgcag	agacgccaag	aaacaagaac
33721	ttggagagga	caatgaggac	caaatgactg	gggaaataag	ggatgagtgg	gtaggaatcc
33781	aaagaacaga	ataggaaaaa	taactcaaga	tccagcactg	ctttccagga	cacacacaca
33841	cacacacaca	cacacacaca	cacacacaca	cacgcagaca	aagattcccc	ccttccagat
33901	ccacactgcg	tgctctctgc	cagccccatc	ccatcatcct	gtgacagtgc	ttctttgtgg
33961	aatagaacaa	taggtacatt	atgccaacct	ataattatcc	taggagaagc	gatggcggaag
34021	tcaaggcatt	atgtgaacac	tggaaatactg	gataccaccc	caccaggagc	aaacaacaac
34081	aaaaacaaca	acaatccaca	aaatctctaa	cgcagataaaa	gactgaaagc	tgctaagcc
34141	agtgcctttt	cacattcata	tgagggtggg	attttttctt	tttcacatga	ttatttaagc
34201	acaaggcctt	ctttcatgga	attgatatag	tattggggga	aggggctgag	ttctttgggtt
34261	tgttttgtgtt	tttgtttttt	ttcccaataa	ggaggcagaa	agtagaggag	gtcgtgagca
34321	cgagaaagtg	ccactgctag	ggtatgacac	atagagccct	caaaggtagt	tgaatctgat
34381	tcaactgagt	gaaatcattt	cattaataga	gattccttct	cactactcct	gtgaaactac

FIGURE 3-J

34441	tttccagggga	cgttggtata	aaataggctg	agtctctggga	ggtgtcatgg	aagacagaga
34501	caagaaatca	gaatatctga	attcttatat	cacagccact	aactagctgt	ttccttgatt
34561	tattcaagag	gtatgtgttc	cctatctgcc	acatgctagg	catcaagcta	gcaacagaag
34621	gaaaaaacia	agcagtagtc	acttttctct	cggagcttca	gcttcctact	gtgtaaaacg
34681	agggaggtccc	acagccctgg	acacacacac	acacacaaaac	acacagacac	acacacactt
34741	ctaaatacaa	ggtgcagccc	cagcctccca	caggacctgc	ctatacaggc	catgactgaa
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34861	tgtaatccca	gcactttggg	agggcgaggt	gggcagatca	cctgagggtcg	ggagtttgag
34921	accagcctga	ccaacatgga	gaaaccctgt	ctctactaaa	aatacaaaat	tagccgggca
34981	tgggtggcagg	taactgtaat	cccagctact	caggaggctg	aggtaggaga	atcacttgaa
35041	cccaggaagc	agaggttgcg	gtgatctgag	atcacgccat	tgcactccag	cctggggcaac
35101	aagagtgaia	ctctacctcc	aaaaaaaaaaa	aaactgcatg	gaagcccaaa	ccccaggggc
35161	aaatggaaca	gtcacagcat	gccatgcacg	cacagggtca	gagcaagagt	atggccaggc
35221	gcggtggctc	acacctgtaa	ttccagcact	ttgggaggcc	gaggtgggca	gatcacttca
35281	ggtcaggagt	tcaagaccag	cctggccaac	aaggtgaaat	cccgtctcta	ctaaaaatac
35341	aaaaattagt	tggacattgt	aatgggcgcc	tgtaatctca	gctacttggg	aggcctgggt
35401	attagaatcg	cttgaaacctg	ggagggcgag	gttgacgtga	gttgagattg	tgccactgca
35461	ctctacctgg	gtgacagagc	aagactctgt	ctcaaaaata	aataaataaa	ataacaaagg
35521	tgtgaaaagt	aggtatgggtg	tttccctagca	catctctagt	ttctgagggc	tctctctaata
35581	ggggaccYtc	ctcttgaatt	gtggtcccat	gggttccaYc	tcttctggga	tccagtcagg
35641	gcttcttctc	tcattctcag	gcaccttcag	ccttgaaact	ccttggcctc	ctttcccttc
35701	accttctctg	tgaacataaa	cagagggtct	tcgagacaat	tccttttaaat	catcaaaagg
35761	cctatctagc	aatgtctaac	tccattcctt	aacgtttact	gaaaagctcc	tcaaatacat
35821	gatcctcccc	tctaccctgt	cccctcagct	cttagYcatc	cttctcaga	tgtactttt
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35941	tgctcaacca	acgtatgaca	gtattagcca	tgcgtcctt	gaaacactca	gagccttgat
36001	tctactcatt	catttagttc	ctccccaaaa	gttccctgag	cccctgctag	gcagtgggga
36061	tttggcaata	agaccagtc	cttagtcctc	tgctcatctc	tccacactcc	gctcttatgg
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36181	ctcttgtaat	aacaaaattc	aactctgcaa	actttgcaaa	acactttata	tcgtaatcct
36241	tttttcccca	cccScactgg	gcgaaagaac	ctattcttgc	aaccaacact	atcctgaaaa
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36541	gcagcaagat	cagggagtaa	ttcagcacca	attgtttacc	tgcactctga	aacctcatct
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36721	accttgggta	ctgcagagcc	caccaccagt	ccaccctgaa	acctcaaagc	aggcccacag
36781	ggtagatatc	tagggacctt	gaagcaaaca	tttcacctat	tcaggacaca	aactaaataa
36841	gcttgtgtcg	cttagtaatt	ctgtaattgc	ttacttatgc	ccttggggcaa	actccttaaa
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36961	attgtgaaga	tttgatgaat	taacactagg	aaatgtgcct	agcactgttt	aatatgtggc
37021	agaggctcaa	taaatacatt	attattatta	ttactattat	tgacaggtta	aaggcctgtg
37081	atgatactga	ctccagcata	actctgatac	tgcccccttg	actcggctag	ttttgacaga
37141	gggccccttg	acaacaccta	aaaaacaaac	cactaaaactt	tcagttttta	aaaaaatacc
37201	aggtaagctg	ggtacagttg	gctcacgcct	gtaatcccag	aacttgggga	ggccaaggct
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37381	accgccaaaga	gacagggttt	tgctttgttg	accaagacca	gcctgggtcaa	cataggaaga
37441	ccccatctct	acaacaaatt	taaaaaattag	ccaggcttgg	tggcacatac	atagtcctag
37501	ctactcagga	ggctgaggca	ggaagatcac	ttgagccctg	gagttggagg	ctgcagttag
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37621	acaacaacaa	caacaacaag	taatgtgaga	aacaaatgcc	ctccctccct	ccctgagggt
37681	cacccccagc	ctgacctgat	ggatgggaaa	agataagctc	agagatgggg	taaggataag
37741	gtgggagtta	ggaatggggt	agaggtcagg	gatggactga	gaactaggaa	aggggaaggat
37801	ctaggatgga	ctggagggtc	ggaagcagga	agagagaaat	ggagtaaggg	tcagggtctgg
37861	agaccagcag	aaccgagggtg	aaatgttagga	ccatctgatg	gatggtcaca	ttataaactt
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37981	gcagggacag	ggaagaagaa	gaaaccttaa	ctgagtgaac	atttttaaac	aagcaggaca
38041	tttcgaactc	aaatagtaag	agtcactttg	ctgtccaaat	cccaccagtc	cttgggtgtaa
38101	tactacaagt	gggactttaca	agcaggaccc	gcaagaagg	tctagtaact	acctgagctt
38161	gcaggacgta	aaatgcctgg	cgaactttgc	attccaagga	caggagtctt	ccaaattaaa
38221	attttaatag	tgtgtgaaaa	tagttcgcca	tttactctta	ggatgaggta	gtgttttagaa

FIGURE 3-K

38281	agtcagcctg	gaaatccagg	ccaacatttt	cagggatgcc	tcctattctg	ggaggagaaa
38341	aaccagcttg	ttgcttccct	ccagtagcac	aaagcagcag	ggaaccggaa	agagagaggg
38401	gtctgaacag	cttcttctac	caggaaacca	gccaaaggtc	tccgggcatg	taaggacatc
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38701	agttccctgg	agagttgggt	gttaaaacac	cagggccccc	ttgggtttcc	ccatcttcac
38761	acgtgtctac	tttccctttg	accttccctg	ccatgttgtg	atgcagaagg	aaagccctcg
38821	ccagaggaca	gggccatgcc	cttgaacttc	tcagcctgca	gaaccataag	ctaaataaat
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38941	tcccacatca	tcgtcacaca	gggcttgagg	tgccctggcc	tggccactgc	ctgccaacac
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39061	gggttaccag	aaagagttag	aagtcggcag	gtcagcacgg	ccacacaagc	caccctctcc
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39361	caatctctta	tgattccata	gatcaggagg	agaccacaag	acccaacttt	tacttagct
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39601	gcgtctgctt	cttgggggta	tttagagaaa	tacatgagaa	aaaggatgga	aagcacttag
39661	cactgtgcct	gtacatgttg	agaatctata	agagaagatc	ccctcttact	attcaggggt
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40561	aagggaatgcc	taagacttgg	taatttgtaa	agaaaagagg	tatatattcac	agttctgcag
40621	gctgtagagc	aaccacgggtg	ccggcatctg	cttctgggtg	ggcttcagga	agctacaatc
40681	atggcggaag	gtgaaaagga	gagcagcggt	gtcacatggt	gagagcaaga	ccaagggcagc
40741	aagggtggga	agtcccagac	tttcaaaaca	ccagatcttg	tgtgaactaa	ctgggtgaga
40801	cttactcat	caccaagtgg	acgggtgctaa	gccattcgtg	agagatccac	cctcatgggtc
40861	taataatctc	ccaccaggcc	tcacctccaa	cattgggaat	cacatttcag	catgagcttt
40921	gcagggggaca	aacattcaaa	tcatatcaat	tagtgtcctt	ataaaaaagg	gaagtttgcc
40981	ccatgaagga	agagattggg	gtgatgtgcc	tacaaagcaa	ggaatgccaa	agataagact
41041	gccagccaag	cccagaagc	cagcagagag	gcctggaaca	gattcttcc	cacagccctc
41101	agaaggaacc	aaccttgcca	acaccttgat	cttggacttt	tagcctccag	actatgataa
41161	aataaatttc	tgtgaagtta	cccagctctg	ggcacttaca	gccaccctaa	caaactaata
41221	caccagagaac	cttactatcc	ttcaccacac	cgatcaccaa	tgaggcaagt	cagaaatttc
41281	caaaaagtct	ccacatttat	ttttctaccc	aataaaccag	acatgataga	ggaattcaaa
41341	tataaacaag	acataggccc	tgccctccag	agctcctagg	cacacaaatg	ttagttcactt
41401	tacactttgc	aaaacacttt	cacatatatt	gtctcttgta	gatccccca	tctcacattg
41461	agatgggaag	ggcaagctgt	aggttactcc	cattctgcag	atgagaacac	tgagttttgg
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41581	aagtcttgag	tccaagacaa	cattggtgtg	gctgttttct	ttcagcctgt	cttgctgcct
41641	ctcctgccgt	cttggaaacct	cttgccctct	tcaaacagaa	gcccctgcac	tgagggtctct
41701	tgtatctaag	atctgcccc	agttagctcc	aggaggcaag	gagggaggcc	agccatgtta
41761	aagaccaagt	taaagaccaa	agtggctgca	gcaccatgag	ataccagtgt	agtccccac
41821	cttctctcat	agtcccttac	cctgaggctg	ctcccaccag	ccccgcttac	ctttttccca
41881	tccccacccc	cggccccccag	ctctcccat	cccacaggca	gggcagggtc	ctggtaacag
41941	cattgcccag	tgttgtcaaa	atagcagaga	gctggaaaaga	attccagaat	gaaatctatg
42001	tgctcttgca	gcctcccaac	tgactgccac	tgtggcagct	aaaccgccta	atgtgctaag
42061	cgttttctg	cagggccagg	aggcagggtt	ggtattttg	gagctgggag	gggcttggag

FIGURE 3-L

42121	gcaacatcct	cggcaagtct	gggaaggagg	tggaggcagg	gaggcaaagg	gaaccgaccc
42181	agaacacttc	ccatgacgtc	accgagagcc	acctgagctg	cacctcagga	ttcctgaaac
42241	actgctggcg	gagcggagag	tacggagagt	acgctggggc	cggtgggcag	ggctcagcag
42301	ggcatggagg	ctttgtagct	aggcctgggg	ggagagggcg	ctctagtatg	ccacttgtca
42361	tgtacacttt	ttctgctgac	acagagcagt	gtgcaatgcg	tccggggaggc	tgggcagccc
42421	agggtctggc	caagctctgt	ttgcctgagt	tggcagtggc	agggcccatg	gtgaccaaac
42481	aaaagacggg	aagccaaacg	cccagaggct	ggcgggtgag	gctccctgag	agggtcttga
42541	ggatacaggc	actggcgaag	aagggccagg	ggctcatagg	gataggaatg	ggKttggggg
42601	caatgggaac	ttgcaggcag	ggtccctctc	ggtttcccag	acacaccgca	tcgcctctgg
42661	gcatacagct	ctccacactg	tccttgcttt	tccgggggctc	cttcgaaaaat	gcttcaaacc
42721	atgacaccag	gaaggggagc	aaaccaccaa	atctgagatc	caaacaagggt	cccagcattc
42781	ctttgtccct	gatgggctYg	gctccaaatt	ctgggagaaa	ccagagggtt	ttgagagagt
42841	caggagaggg	gttcaggggg	caaaaaatag	ggctgggtgaa	gaattccttc	cgggagccgt
42901	ctggtagcag	ggagtaccgt	gggtggcaag	gccgtgctgc	tcagggtgagg	ggacatgggtg
42961	tcattctggg	aacagatgag	ccagtaaaac	cctgacagga	ttcaatctgg	aggaaaaaaa
43021	tcccagctga	taggaactgc	tgagcgcttg	cagcttttaa	agccccctta	gcaaaaggat
43081	ctgcaaaaagY	tttgcaaaact	ctgaccacgc	agccagtcag	ccacttccca	gccccagca
43141	acgagagagt	ttttgctaca	tcagaacaaa	cccactcaca	aatatctcat	cctggcctcc
43201	ccccgggcac	ccattccttt	tgggtctgtg	tgctgcctt	cctcagaaat	gacattttgt
43261	cagagcagtg	agagatagtg	ttgcaggggc	caaaggcagc	cagggggctg	gactgcaact
43321	aggctcccc	gctcactagc	ggctgacccc	aggcagggca	cttaaccttt	atgaatctca
43381	ttttttaatc	tgcaaaaatg	caataatgca	agctgctctt	acagagtggg	tgagagact
43441	aaatgagatg	atggatgctg	gggctcgagc	acagagatga	ggggctccat	gacggctgggt
43501	ccccctcctt	cccaccttcc	tctccagggc	cctccggcac	cataatcagt	gtgggaagga
43561	tgcagaacaa	tgggagttta	attcagagggt	tggcgaggca	aaggcatact	ttaatagaat
43621	tctctctcgc	ccagtacatg	gtttcttgct	cacccccacc	acctttcccc	atctctaccg
43681	gtcgatagtc	tctcagctag	tgcacctttt	cttgtttagc	aggggcactt	tttttaaaaa
43741	ctccagacgg	gtaccctcca	tgttgccagg	gacgtggccc	tggatcactc	aactgactgt
43801	catttgaaatg	gtgccccag	agtgaggcaa	tgggtgcagc	ctcctaaggc	ccttctgag
43861	tgccccctct	tcatagaagt	gattctgagg	cttcccaggc	cttcaccctt	ctttgaaagc
43921	ccatagcagt	tcataatgca	ttctcttcta	tgctcaccaa	actctgcctt	catcatactt
43981	gggggatgtg	tgtgagagcg	agagagagag	tccagcaggg	attagatctg	acttttatat
44041	tctctacagt	gcctggcaca	atgctaacac	atltgatgag	gccagaatta	ccctgatacc
44101	aaaaccagtt	aaagacatta	ccaaaaagaa	ctttttcaat	attttaattc	ttacctcata
44161	ccctagataa	aaattaactt	gagcgggggtg	tgggttgctga	cacctgtaat	cccagcactt
44221	tgggaggctg	aagcagacgg	atctcttgag	accaggagtt	tgagaccagc	ctggccaaca
44281	aggtgaaacc	ccgtctctac	taaaaatata	aaaattagct	ggtcatgatg	gggtggtcct
44341	gtaagcccag	ctacttggga	ggctgaggag	aactgcttaa	ccgggaaggc	agatgttgca
44401	gtgagccgag	atcgcgccac	tgcactccag	cctaggcgac	agagcgagac	tccgtctcca
44461	aaaaaaaaaa	aaaattaaact	cgacatggtat	cgtagagcta	aatggaagac	taaaactttc
44521	aaacttcaga	aagaaaaactt	ggaagaaact	ttttctaacc	ttgggttaag	caaaaatttt
44581	cttaaatagg	acataaaatg	catgattcgt	aaaggaaaaa	aattgataca	ttggaattca
44641	ccaacatttt	aaatgtctac	tctttgaaag	gcactaatat	gaaaatgaaa	acacaagcta
44701	cagactgaga	gaaaaatattt	gcaaaacata	tatctgataa	aggatgttta	gtcagaatat
44761	ataaagaact	cctaaaactc	aataagaaga	caaatgactc	catttctttt	aaggtaaaag
44821	aactgaacag	acatttcaca	aaagaaaaga	tacagatggc	caaaaagcac	atcaaaaaaa
44881	aaagggttcaa	cattattagt	tagcagggaa	atgcaattaa	aatcacatg	agataccgtt
44941	aaacatctat	tataatggct	aaaattttaaa	aggctgacaa	tgccaagctc	tggcaaggat
45001	atagaataac	tacgactctt	acacactgcg	tgtgggaatg	ctaactggta	cagccacttt
45061	ggaaaagcagt	ttggcaattt	cttttaaaagt	taaatataca	attatatattt	catttctccc
45121	agagattttgc	tcaaaaagaaa	taaaaacata	tgtctacaca	aagacctata	aataggaata
45181	ttcatagcag	ctttctgcat	aatggccaaa	acttgggaac	acccaagtgc	tcattcagttg
45241	gtaaatgaat	aagcaagttg	ccatgcagcc	acacagtggg	acgcacccat	acatgcagta
45301	acatggataa	gtcttaaaccg	catgggtatca	gttcctattg	ctactctaac	aaattactac
45361	aaactcagta	gcttaaaaaca	acacagattt	actgtcttac	agttctggag	gtcagaacgt
45421	ccgaaatcag	tctcactggg	ccagcatcaa	ggtcagtttc	cttatctttt	tcagctccta
45481	gaagccacct	gcattccttg	acccatggcc	ccttcctcca	aagccagttg	tgttgcctct
45541	tctatctaac	tgcttaaggg	aacaggactt	tatcaaggca	cagagccaca	gcaagtatgg
45601	gaacatata	agtagttcca	tatttccagg	gtgtgtaatg	taacatttcg	aagataagga
45661	aactgagatt	cagagagatc	caatatctta	cccaagggtcc	aggacacagt	gaaaatcatg
45721	ttcaacccta	aggcctctga	atccaaatcc	agagtccacg	tgagccctca	gacttccctg
45781	ccttgaccgt	ggatagtcac	gtccaccttg	tctcagagcc	ctgcactccc	accttgttac
45841	actgcaccag	cagctaagcc	tgtggagcca	ggcagaaccc	tgggcctccc	cacctcccca
45901	ccctgggacc	aacagattcc	cagctccagc	aggataacat	cataacctta	ataagattga

FIGURE 3-M

45961	catttgcac	ctgttttata	ttcatcagca	ttcttacact	tacgttatgt	tatctggcct
46021	tctccatcgt	atgagtctaa	tggtgcagat	attctccacc	ccacattctc	caacctcag
46081	aaagctgagg	tactttctta	tacagcaagt	gggtagaagc	caagatcaga	accttacc
46141	caacccaccc	cttgatacca	gaagagccta	ttgactcaga	acaaaactca	ggcaaacccc
46201	ccacctagct	gagcttcccc	tccttcatct	gcaggatgga	aaacagggta	atacctgccc
46261	tgcttatcct	gatacatcag	gcataaatgg	aaaaaaaaaa	aaggaagtag	tatgtaaaag
46321	cactttggaa	atgttataaat	gctatgcaaa	ttataaggaa	ctgttctgat	tatactctca
46381	agaaatgtca	caaattttct	ccaaaagtga	ataattgtca	ttacttttca	acttcatccc
46441	cttgaaaagc	cagtttctcc	tcctgtcatc	ttttatttct	ggttaaagca	gagatgttat
46501	actcaacatt	ccaactggaa	tatcaagatc	aatctttaat	tcctccttcc	agcttcaccc
46561	tttctgaaat	caagaacagg	caattctcta	ctccaccac	catctcatcc	tcagtttctc
46621	ttgccatctg	ccccctctg	aagctagaaa	tcaccagcaa	ccattttcat	tcctcatccc
46681	tcYggtctct	cctcagtcag	agccaacct	catgatgcaa	aagcaccact	ccaatcacct
46741	ctctcagagg	ctcacagccc	cggggggaca	gcgtccagg	gtcctccacg	ggctgcccc
46801	gtgaagctct	ccagcttgct	tcctcatgact	caccaaccca	ggtaagccta	aatggccctg
46861	tttcccaaaa	ctcaactctc	ttcccacttt	tatgtcccca	ctatatctgg	aactcccttt
46921	cccactat	aattagctat	gggggtagga	agaatcaaac	tagaccccca	gctcttacat
46981	caacctaaat	atattccaag	tgaatcaaag	aattgtggtt	aatggctggg	cacgggtggc
47041	cacacctgta	atcccagcac	tttaagaggc	caagggtggg	ggatcacctg	aggtcagagg
47101	ttcgagacca	gcctggctgg	gtaacatggc	aaaaccccgt	ctcaactaaa	aaataataat
47161	aataatataa	aaattagcca	ggcatgtggg	cgcaagccgg	tagtccagc	tacttagagg
47221	gccaagggcag	gagaattgct	tgaaccaccc	cagcagatgg	atgtttcagt	gagccaagat
47281	tgccaccattg	cactccagcc	tgggcaacag	agcaagacac	cacctcaca	caaaaaccac
47341	acacacacaa	agaattgagg	ttaaaaaaa	tccagattat	atagatgaat	atctatctga
47401	tagctgaatg	gggctggaat	ttctaggcta	catagcaatg	gagtaaatca	gaggagaata
47461	aaatgaataa	tagttaacat	ttactatttt	tcacttcttt	taactggata	tcctatattt
47521	aaaagtaaac	atacccttta	cttcatgttg	tacacaaaaa	ataacaaaa	ggatcacaga
47581	atgaaagaaa	tgctaaaatt	agaaaaattc	cagaagaagg	ccaagcacgg	tggcctgtaa
47641	tcccagcact	ttgggaggcc	aagggtgggca	gatcacttga	ggtcacgggt	ttgaaaccag
47701	cctggccaac	atggtgaaac	ccctattaaa	aatacaaaaa	ttagctgggc	atggtgggtac
47761	acacatgtaa	tcccagctat	tcaaatggct	gaggcacaag	aatcccttga	accaggaggt
47821	cagaagttgc	agtgcagagt	ctgcagcca	ctgcactcca	gcttgggcaa	cagagcgaga
47881	ctctgcctca	aaaaaaaaaa	caaaactcca	gaagaaaaca	tggggaaaa	cttcataacc
47941	ttggtgtagg	caaagattct	taggacacag	aaaataagaa	tcacaaaagg	gaaaaataac
48001	ctggacttca	aaattaaaaa	tttctgctct	tcaaaagaca	ttgttatgct	gggtgtgggtg
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48121	gaattccaga	ccagcctggg	aaacacagaa	agaccctatc	tctacaaaaga	agtttattaa
48181	ccagggtgtg	tggctcatgc	ctgccgtccc	agctacatcg	caggctgagg	cgagaggact
48241	gcttgagccc	acgagttcga	ggttacagta	agctttgatc	atgccattgc	actccagtgt
48301	gggcaacaaa	gaccttgtct	ctaaaaagat	aaaaatttaa	aaattaaaaa	gacattgttt
48361	aagataggag	atatggttgt	acaacaatgg	gagtataatt	cacaccacta	aatactcaac
48421	atgattccaa	tggcatcttt	tatgttactg	atattttact	acaatttttt	taaaagtgtg
48481	tgtaagagg	atgaatagac	aagccacaga	ttgggagaaa	tgattcatag	tacatatatg
48541	tacatagtat	agtcatacag	tatatagata	catgtataca	cagtacatat	atagcacata
48601	catgtacata	catacatata	tgacaaaagg	tctatatcca	gaatatataa	agaactctag
48661	caatttagta	ataaggcaaa	caacacaaca	aaagatttga	acagaccctg	cacaaaagaa
48721	gatagccaat	aagcacgtga	aaatatgtct	agcatcatca	gtcattaggg	aaatgcccac
48781	taaaactaca	gtaagctacc	gttcacaccc	attaaaatgg	ctaaaattca	aaagactggg
48841	aatgtcacct	gctggtgaga	atatatagca	acaaaagca	cagccactgc	tgacgggaat
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48961	tttaccatat	gattgagaag	tttactact	aagtatttat	ccaaaagaaa	tgggggaaaa
49021	tggatgttca	aaaaagagac	atacacagat	gctcgtggca	actttattca	taatagccaa
49081	aaactggaaa	caacccaaat	gtccatcaac	tggtgaatga	ttacaatatt	ttggaaaatt
49141	catatgatga	aaaactcagc	aaaaaaaaaag	atgttactgc	attgggtatca	ggactgaaaa
49201	aaataaaaa	aaaaattagc	tgctaattga	cacaacaatg	tggataagac	ttttttttta
49261	aaaggccgag	tgaaaataagc	tagattcaaa	agagtagata	gtggtcaggc	atggtggctc
49321	acattctata	tcccagcact	ttggaaggcc	tggggcgagt	ggattgcttg	agcccaggag
49381	ttcaagacca	gcctgggcaa	catgggaaaa	ccccatctct	actaaaaata	caaaaattta
49441	gccagggtgtg	gtgatatgta	cctgtggtcc	cagctactag	ggagactgag	gtgggaggat
49501	cacttgagcc	caggaggcaa	aggttcagat	gagctgagat	tgccaccacta	cactccaacc
49561	tgggcgacaa	agtgagaact	tgtcttatta	aaaaacaaaa	ggtagatagt	gtatgattgt
49621	gtttacatga	actcttagaa	tcagcaaaat	taattctacag	ttacagagag	ggggtgagta
49681	caaagaggca	ctaaggaact	tttggggata	ataataatat	tctattgtgg	ttacatgggt
49741	atacacattt	gttaaaattc	atagaactat	ataYtttgaa	tgagtacatt	ttattgaatg

FIGURE 3-N

49801	taaattatac	catagtttta	aaagaacttt	ttaaaagtca	agatgcaaac	tggggaaaat
49861	atttgccaca	tgtatgacaa	attaatatct	ttaatatata	aaatgtcatg	caaatgtgata
49921	taaaaagcat	taagacctca	acaggcaaat	ggccaaaaga	cacagaaaag	ccacaaaaga
49981	ggaaataaga	atatctaata	aacagggtta	aattaaagca	atgaaatact	gtatttcaca
50041	aaccaaatga	gcaaatttca	cctatcaaat	gagttttttt	gtttttgttt	tttgctttga
50101	tgataatttt	tgttttgttt	ttactttaat	gataatacta	gtattgtagg	acaagatgag
50161	cactcttctg	gtaaaaatat	aaattgatac	atcttctaga	cacaatttgg	aacactatta
50221	tataagcttt	agcaggaaca	ttaaagttaa	gacccaaaac	cttaacaatt	ttcagattat
50281	ttgacccact	tctagaaacc	tgtgctaagg	aataaacaaa	gatgaatgat	caaaattaga
50341	gattttacagg	caagagtttt	cagccaggca	ctgtggttca	cacctataat	cccagcactt
50401	tgggagggtca	agctggggagg	atcacttgag	gtcaggaggt	cgagaccagc	ctgggcaaca
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50521	ctgtaatccc	agcactttgg	gaggctgagg	caggcagatg	acttgagacc	aggagttaa
50581	gaccagcctg	gacaacatga	tgaaccccca	tctctaccaa	aaatacaaaa	attagccgag
50641	tgtggtggca	catatgtttg	taatcccagc	tgcttgggag	gctgaggcat	gaaaatcgct
50701	tgaacctgag	acgcagaggt	tgcagtggag	tgtgatcacg	ccactgtact	ccagcctggg
50761	caacagagtg	aaactctatc	tcaaaaaaaa	aaaaaaaaaa	ttagcgggag	tggtggcattg
50821	cacactactt	gggaggctga	gggtgggagg	agagcctggg	aggcagagtc	tgcatggagc
50881	tgaggtcaca	ctactgcact	ccagcttggg	caacagagta	ggactgtgtc	tcaaaacaag
50941	aaaaaacaag	tctggccatg	gcggtcagct	cctataatcc	cagcacttaa	caaggtagag
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51061	attctccacc	aacaaaaggg	acaaaaaaga	atttttatta	ctgacctgtg	tctcataaag
51121	aaacaatcta	ggataagcca	ctaggttgag	taaacgctgg	catcaatatg	atgaactatc
51181	gaatattgtc	catggtacaa	acttaataaa	tatttctcaa	atatactcaa	cgtatacact
51241	atataagaac	cttagaaagg	agtggatgtg	gtagatgact	tacacttatg	ggtagagaaa
51301	cacataaaca	aattgtttca	ttgcagcaaa	tattggaaat	catctaaatg	ttcatcaaga
51361	gaggtgaaat	taggccgagt	tgacttgcct	atgcctgtaa	tcccagagct	ttgggagacc
51421	aaggcaggag	gactgcttga	ggccaggagt	tcaagactag	actgagtaac	atggcgagag
51481	ctcatctcca	ctaaattttt	tttttaatta	gccaggcact	gtcgtgtgta	cctgtagtcc
51541	tagctactca	gaaggctaaa	gtcagaggat	cacttgagcc	caggagtcca	aggctgcagt
51601	aagctatgac	acgccactgc	atccagcct	gggtgacaga	gtgagatctt	gtattgaaaa
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51721	aaaaaacagg	cagatctaata	ctatgtccta	ggctggggcg	agtggcttgt	aatcccagca
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51901	atgcctgtaa	tcccagctac	tcgggaggct	gaggtgggag	gatcacttga	acctggaagc
51961	cagtggagggt	tgtgtgagc	ctcaaaaaaa	taatactatg	cactgtcatt	ccagcctggg
52021	gaaactccat	ctcaaaaaaa	taaaataaaa	taatactatg	cctagattgt	taaaaaatWt
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52141	gacacataaa	tatttatgtt	tatataacat	caccagaaaag	atacagaaga	aaaaacaaaa
52201	caggtaaagtc	tatactgaaa	gactagggtc	tgaggatgtg	aaaacagggg	tgacagagac
52261	ttagattttac	tttttgcctc	caattacttt	ctgtagtgtt	ttaaatttttt	accatataca
52321	ggtttttctt	tttcaaaaaa	acaccaccaa	aaacaaaaac	acagattttt	ttttagaagg
52381	aaggggagtg	ttatggattg	agtttcttag	aaggaaggag	agtattatga	gttgagtttt
52441	ttagaaggaa	agagagtgtt	atagcttgca	ttatatcccc	tttatatgtt	gaagtcctaa
52501	cccccttaca	ggttgaacat	cccaaattca	caaactctgaa	atgcaaaatc	ctccaaaatc
52561	caaaaactttt	tgagcatcaa	catgactcat	gaagatctca	cccaatttcc	cagaagccct
52621	cgctcccatc	ggactagaat	cttcttttga	gaggcctttc	cttttctcat	ccctattgca
52681	accagtacaa	aaagcaaaac	agaaagacac	taaagcaaaa	ccaaagtttt	agtcacaaaa
52741	accaaattgg	ttggcgaggg	aaggtggtgg	ttacagggaa	ggttttaagc	tcaccaggcc
52801	ctgtagctga	ggtttcaaaa	tggcagctag	ctggacgcca	tctggtctaa	atctgtctac
52861	ccaaacctcc	ctccagttct	ccaagggatg	tccctaatta	ctagcacagc	cagctgccaa
52921	catggaatct	aggtctccct	tctttcaaat	attagagatg	tgagaccaga	aagattactt
52981	cccaatacca	gagaaaaggc	tacgagggag	gaacaaggga	gagaaggaga	ccttactgac
53041	agcatgcaag	gacatggcgg	acgcgtccca	tcccatatct	cagctattat	gcattcccaa
53101	ctggcttggc	caacatccag	agagactcca	ggctggtgag	tctgtgaatg	tgaagttagag
53161	ataagcaagg	cggcgagggg	gagctcgccc	actgttatat	acgggctgca	gcattgcgtg
53221	gcgaggagtc	aggggaaatc	tccattttcca	agacatttct	gcactcgatc	ctgctcccca
53281	agactaagaa	ttctttcttg	gcttctctcc	actccctgga	atgtaactaa	gcagttacct
53341	tgagaacaag	gaaaaattgg	gggctaggga	ggtgtatgag	tgtttttaag	tgtaaaaaat
53401	cacattttacc	ctggataact	ggtttgaata	aaacagagag	taggaaactc	cattctttacc
53461	ttcatctatg	ggacaggcac	ccagtgccaa	tcattgtgag	aaatagggag	aggctgatct
53521	atgcttaggg	agctcagaaa	atgctatgct	tccttccagc	tgtaggggag	ctgagccact
53581	ggggaagagt	ggatgcattt	ggacaaacag	gaatggatgg	aaggctttct	aggagagggg

FIGURE 3-O

53641	accacatgag	caaagcctga	agaaggggtg	gttcttatct	agcaatgagg	aagtgtgagg
53701	agaggcaaa	aaatatcttc	tagaagctga	gggatcaggc	actggaagct	tatctacctt
53761	ctccaactcc	aggttaccac	caaggagagc	aaaatccaga	aacaaggggc	acctgcaaag
53821	tgggtggagga	aagaggagga	aaggaatgtc	tgccccRagc	ccagccccag	ggtcagatgc
53881	cgggaaaaat	tcctgggatt	at ttgtgtgt	gtatgagatg	gatctggagc	cacctgtggt
53941	ccaagaggga	tgtgggtttg	gactggggct	Kccaggactg	gtctggggca	agctaaggac
54001	actttcacgt	gtccacactt	ttgtacttgc	tgttcaccag	tatctccttt	cccccttct
54061	cctccctggt	catggaaaatc	cttaaaaaatc	atctcctctg	ggaagttctc	ctgatgctct
54121	cattcagaat	taaccaccca	ttctttatgt	cgcttcaaca	agttgcttgt	atctcttttt
54181	ccattttacgt	tttctttttc	tttttttttt	tttgtttgtt	tgtttggttg	ttttgagaca
54241	gagtctcact	ctatcgccca	ggctggagtg	taatagcgcc	atcttggttc	actgcaacct
54301	ctgcctccc	ggttcagttc	aagccctgct	cctcctcagt	ctcccaagtg	gctgggatta
54361	caggcacctg	ccatcacccc	tggctaattt	ttgtattttt	agtagagatg	gggtttcacc
54421	atgttggcca	ggctggtctc	gaactcccga	gctcaggtga	tccgcctact	tcagcctccc
54481	aaagtgtctg	gattacaggc	gtgagctacc	acgaccagcc	tacgctttcc	tatatgcctt
54541	ttttttttatt	ttttgagatg	gagtctcact	ctgttgccca	ggttggagtg	cagtggctca
54601	atcttggttc	actgaaacct	ccacctccc	gattcaagcg	attctcttgc	ctcaacctcc
54661	caagtagctg	agactacagg	cgcattgccac	catgcccac	taatttttgt	at ttttagta
54721	aagatggggt	ttcaccatgt	cggccaggct	ggctctgaag	tcctgacctt	aggtgatcca
54781	cctgtctcag	cctcccaaag	ttctgggatt	acaggcatgg	gccaccgtgc	ccagcctatg
54841	ccttgctctta	taattagtct	ccctctcttc	taaatgtaaa	ctctcagatg	tcaagaacta
54901	gatctttatac	atctttctga	ccccatccc	cagcaccagc	tcttccccag	agcagacact
54961	cagtaaatatc	ttattgaatt	gaatatacag	accacaagg	agcaacctgg	tactggcgga
55021	cattttttgat	tcctgcaccc	attcattcat	ttgctcaaca	accatgtgag	tgcttaatac
55081	ctgccaacct	ggctcacact	ctctcacaga	gcacactcaa	attgtttcat	caaccagcta
55141	aaagtaagtt	cagtatcaat	tcagggtctc	ttttcagttc	tagaacatag	aaaatttcac
55201	aggatcacct	gaacaccgca	gggggggtgc	agcctacatc	ccattgcctg	ttctgtcca
55261	tagtggaaggt	cacaccctca	agaaggcccc	tggggaagac	agattgtctg	ggatgtggat
55321	gagggccccc	acaggctctg	cccagcccag	cccagcccag	cccagcccag	cccagcccag
55381	ggaaccctag	atacacctat	cacaggagat	ggcagtttaag	ataactctat	ctacatacac
55441	agtacccctgt	ggatactaag	taaggagctg	gtcattttgga	atgaggcagg	agagctctag
55501	gaagtcctct	ctgcagagta	gatgtggcca	tggaggtggg	aggattaact	gaaggtcata
55561	agaaaagtct	gcccttctca	gagatcaata	agtgc aaatt	acttgagagt	ccaggcaactg
55621	ctctgccatg	gaggaaaaat	acagatgggg	gcaggggcgg	gaaaggaagg	gggcaggtta
55681	gggacagtca	ttgatctcgg	cgggctcttc	caagtctaaa	attgtaggat	tctaacctga
55741	acctccccctg	ccaacaactt	gaaagagttg	tcttgagatc	agggacatgt	ggagagaaaag
55801	ttgaatagca	tgtcagataa	taaaccaaga	agaaatttgt	aagtcaaaac	aagggataaaa
55861	ttttcctttat	ctctctaaga	catgcatcaa	agcagctgRc	tgctgtctgc	ctggcctggg
55921	aagatgataa	tggtttttaa	tggcccgtaa	acaataggac	cagcctttgt	aataaagttt
55981	aaccaatttaa	tcctctaggc	ttcctccctg	cactctgcct	actctccgct	cctcctttct
56041	gtgatggggc	aaccttcagg	ggtctgaaaa	gcaagggatc	cagcccctag	acgcaaacct
56101	ataagtgaca	ataagagttg	cccagagtaa	gtgctaaaga	aaattgcctc	tatctgatc
56161	tggctaaaaag	gaggaaaga	ccctcttttc	agcgaaaagg	agaggagaga	tgatgcataca
56221	aggaattttgc	acaagaggta	aacttcattc	ttattcagga	gctcattcat	tcattcagca
56281	aacattcatg	aacacctact	atgtgcaagg	catctgcaga	gggtgcaaaa	atatacaaaag
56341	aaaataacctg	cccaagatgg	aattaaagcc	tggaggggggt	ggtaggggga	acaagacaca
56401	ttcacagatg	gccgggcgcg	gtggctcacg	cctgtagttc	cagcactttg	ggaggcagac
56461	gtgggtggat	cacgaagtca	tgagatcaag	accatcctgg	caaagatggg	gaaacccccgt
56521	ctctattataa	aatacaaaaa	attagctggg	catgggtggc	cgtgcctgta	gtcccagcta
56581	ctcgggaggc	tgaggcagga	gaatcgcttg	aaactggaag	gtggaggttg	cagtgcagcca
56641	agattgtgccc	actgcactcc	agcctgggca	acaagagcga	aactccatct	caaaaaaaaaa
56701	aaaaaaaagac	acattcacag	atatcaatcg	taaaagttag	tacaatagcc	tctgcaaaacc
56761	actgtataaag	tccagcttct	ttttccattt	cttctttcat	gtgccaatgtt	ccgcttgggg
56821	tggttacgac	agacaatatt	cagaaaaatgg	aagaatcaga	aagagaagaa	agtggaacac
56881	acaagagaaa	gaaaaccaag	gccctcctcc	ctcctgccat	ggccctctct	gtcttcagcc
56941	ctagtctctgg	aaaagaaaag	gggtgtgtgt	cactagaggc	ctccaggcag	gtccatgccca
57001	ctgagtcaca	tttcaagctg	tgtttgcttc	ctacaccaac	aaggcatatc	ttttctgaat
57061	tgtgcaatat	tctggccacc	tgggtttttc	tacttggtat	accaactcct	agtactcaac
57121	aaccattccc	tttactcttt	tttttttttt	tttttttttt	tttttgagac	agagtctcac
57181	tctgcacaat	ctcggctcac	tgcaacctcc	gcctcccaag	ttcaagcgat	tctccctgtc
57241	tcagcctccc	aagtagctgg	gactacaggt	gcccaccgcc	atgcccagct	aattttctttt
57301	ttacttttag	tagagacagg	gcttctccat	gttgggcagg	ctgggtctcaa	actcctgacc
57361	tcagggtgatc	tgctgtcctc	agcctcccaa	agtgctggga	ttacaggtgt	gagccactgc
57421	gcctggcccc	cctttactct	taaatacagt	gtgtgccagc	tgtagtagtt	tatgcctgta

FIGURE 3-P

57481	ctccgagcat	ctcaggaggc	tgaggcagga	ggatcacttg	agcccaagag	cttttaggctg
57541	tagtaagcca	aggtcacacc	actgcattct	agcctgggca	acagagcaag	accctgactc
57601	ttaaaaaaaaa	atacaatgtg	taatggtgat	ataataattc	aaagggttaat	catctctact
57661	tttgaaaaaca	ataatgaata	ccttgctttg	catttgttta	gcctcacatt	tttttcagag
57721	ttcttcaaaa	aattattatct	catgttcatg	ctacaagcaa	ccttggtatg	taacaaaggt
57781	taaacatcat	tattttccact	ttaaattttc	cctcctttct	ccatttgttt	tctactcaac
57841	aaacagtggg	tgagtacctg	ctatgtgcta	agcaccatgc	tgggtacagg	gtcatgcaac
57901	atagcagaaa	aacagcagat	cctgccttca	acaggttcat	agagctatgg	ggaggagaag
57961	tgaggacgtg	gtccctgtct	ccagggtctg	gggcatcttc	tagaggagaa	gattgagaca
58021	agcattaaaa	gattatcatg	ggccagggtg	ggtgctcaca	cctataatct	caacactttg
58081	ggaggccaag	gcaagaggat	cgcttgagcc	tgggagggtg	aggetgcagt	gagccatgat
58141	ggtgccactg	cactgcagcc	tgggcaacaa	agtgaagcca	tgtcttaaaa	aaaaaaaaaa
58201	acttaatatg	attttaccag	gtagaaaaga	gaggaaaggg	gattccagag	agtgggccag
58261	caatctatgc	acagagaaga	gtgagccatc	tggggcatcc	agaccatggg	gtgaggagca
58321	atgaagggca	aaggctgaga	aagactgaag	agggaggctg	ggcccaacaa	acggagccaa
58381	gagtgccttg	ccaaggaggt	tggactttat	cctgggggca	atgaggaat	cactgaaggt
58441	tttaagcaga	ggtgggtgac	gtgatcagat	ttgtgtttca	gcaagattac	cctggccacg
58501	ggatggagaa	agcactggac	tgggaagaga	ctgggcagac	tctagaaaca	ttcccaaaat
58561	agaattcgca	ggactgggtg	tcccactgga	gataggagga	aaaggagata	atagaaacag
58621	ccttctcact	tgggcttgag	gggccctcgt	ccaatatagg	agaccagtaa	gaaagccttg
58681	cccaagggtca	cctcaagtta	ccttgatggct	aactcgaatc	aagaagctca	agttccttct
58741	ggtagaiaacc	tcttagtctg	cctcattcac	attgatcagc	aaataaattt	aaccatcatc
58801	tgccaggcct	tccttgtttt	ccactttata	catgtgcact	ttttgtccta	tggagattat
58861	taagatcatt	agggcaaaat	tccttttgac	ctcccataag	gcctctcaca	gtacaagaca
58921	atatgtgggtc	aataaatatt	tgttattaaa	tcaaactcca	ggagccccaa	gaacccatca
58981	ccaggcattg	ccttacttac	aacatgagat	atttgccttc	tttaatccct	aataaacagt
59041	tttttgtttt	tgagacagag	tcttgctctg	tggccaggc	tggagtgcag	tggcagggtc
59101	tcggctcact	gcaacctctg	cctcccagggt	tcaagtgatt	ctcctgcctc	agcctcccaa
59161	gtagctggga	ttacagggtg	ccaccaccac	gcccagctaa	ttttttgtat	ttttagtaga
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59341	tttttatttta	attcctagat	aaagtaattc	ctagatgctt	gaatttcaca	atccaagata
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59461	ctgctcattg	caacctcacc	tcccagggtc	aagtgattct	cctgcctcag	cctcccaagt
59521	agctgggatt	acaggcgcct	gctaccacac	ccagctaact	tttttgattt	ttttagtaga
59581	gatgggggtt	caccatgttg	accaggctgg	tttcaaactc	ctgatctcaa	gtgatccgcc
59641	cacctcggtc	tcccaaagtg	ttaggattag	aggcgtgagc	caccatgccc	agccacagtc
59701	caagatatatt	ctaacaacaa	caacaaaatt	ggagcgttca	atgtggtctt	gccaaacttt
59761	gttttaaacac	cattgtttct	taaaagaaag	aacattgaat	acatatcccc	aaagtcagga
59821	taatataatt	ttaagatgaa	ttttccaaat	taaatcagag	ttcctcaacc	tcagaccaat
59881	taacactgga	ctgaagaatt	ttttgctatg	gcagtggagg	ggaaggagaa	gggggagctg
59941	tgggcaaaat	tgacacagtt	cagaaccact	gaatttttta	aagtacgctt	tcttaaaat
60001	ccagttacac	tgtccttata	ttttggatca	gtgaaaacta	tcacagactg	ccaccagtcc
60061	ataaacagct	tttggaaca	agagactcag	aggtgaagaa	tgtggaattt	gaaatcagac
60121	ttgaactcaa	atcccagttc	cacctctcct	cattccctga	ccttgagcaa	ggcactgttc
60181	caagcctccc	tttctctccc	tgcacagcga	ggacaatacc	accccatccc	agttgtgggg
60241	aggattcaat	ggaatagatg	tgacgcactt	agcatgtgac	catcgggaa	ggaagtatga
60301	cattattaac	attattttcta	ccacttctat	aacatatgtg	gtatctaata	caaattaatg
60361	actgtacccc	aaatttcaga	ctttctgggt	caaaaggacc	ttacacataa	tatagtggac
60421	tttcaataaa	cacttaccaa	atggacaaat	gaaccccttg	tcaccccgat	ctcactagtt
60481	ccttccctga	aacccgacac	atctgagtc	ttttctcctt	tactaacctt	ttctccaatc
60541	ctgctcatgg	gaattaaagc	tgtaaaataa	gcctggcgca	cctcgggcct	ctgcccgggg
60601	ctctgtgggt	gggagcactg	tggaaagccgt	atcaatcgcc	cccacctatg	agagcctttc
60661	ttcagggcca	gccatgaacg	tYccccatgt	catcagcatc	ttcaggctac	tgctgtcctt
60721	cttggtatatt	taacctggag	gcgggccagg	gacagaaaaa	ggagggtggca	agatccttga
60781	acaaaaggag	ctataaaagg	gcggtggggg	aagcaaggca	aacggcagat	taaacaagca
60841	ggcaccctcaa	ggaacgtga	cgcgggaggg	gattccgagc	ctctctgtct	gttacttga
60901	cagcaagcag	gtcagagttc	ctgccatttc	cttctagtag	aaacccacc	aagaccacct
60961	ccccgccttg	gcaggcaaag	cactggtagc	tctcccaagg	gaaaaaaaaa	acaaaaaaca
61021	cacactcctt	gttacaaacc	agacacagtc	ctggacagag	cccagctaac	aataaatttc
61081	tgggggttcat	ctcacaagta	cattaagtat	cttctgacaa	tctcccaagg	ggctgggttt
61141	ttcttgccat	cacagggctg	tagaatattg	agtacaagga	gagggcttca	agaacagggg
61201	atccaagccc	tcgttttcatt	gatggggaaa	ctgaggctca	gagaggggga	aggaacttgt
61261	tcaggatcat	ccaagtatgc	tcccgctcagt	Rgcagcactg	agccaagaac	tcaaggcttc

FIGURE 3-Q

61321	agtgtttggca	ctgggtttttg	ccagaggctt	gaaaacatac	caagaagtgg	aaggtgtact
61381	atgagctaaa	tctcactttt	cctgaaaaata	tagatgtgtg	ctcacacagg	cacacatgtg
61441	cataaaagg	agggaaagag	gaaaacaaat	gtagcaaaat	gctagtaaat	ggtgaatcta
61501	agcaaagggg	atattggtgt	tcattgctct	attttcacaa	cttttcagaa	ggcttgccat
61561	ttttccaaga	aaaatctgag	gaagggtctag	gtgtggtggc	tcatgcctgt	aatcccagca
61621	ctttgggaag	ccaaggtggg	aggatcgctt	gagggtcaaga	atltgagacc	agcctgggca
61681	acataacaag	accccatctc	aacaaaaaaa	ttaaaaattg	ccaggcatgg	tggtcacac
61741	ctgtagtccc	agctactcag	taggctgaag	caggaggatc	gcttgagccc	aggagttcga
61801	ggctgcaatg	agctatgatt	gcactactgc	actctagcct	gggcaacaga	gtaagaccat
61861	gtttctttta	aaaaaattaa	aattaaaaaa	taaaaaattt	tgaggggagaa	agataaagca
61921	ctaactagca	atctaagata	aaaaattttt	ttaaaaaaat	cacttggaat	agagtaggaa
61981	ttctctcctt	aatttcattc	agtttcccta	gctagggact	aatatcctta	gaaaaagtta
62041	taagaaatcc	agagggttaa	gggggtgggac	tccaaacaag	taagagatcg	ccagtattca
62101	tagcagtcg	cagctacagc	aatcttagaa	tccaaatacg	atlttcagata	ttttgtccca
62161	tcagctccta	aaatacatat	attctggtca	caccatgtat	cctctgttgt	ttttggtgca
62221	aaaagtaaa	taaccatgaa	ctacagatag	ggcaaagtgc	agaatttttc	caggggactt
62281	tatcaccttt	gcaatacagg	tagttttata	atgcaataca	atatagttta	atttctattc
62341	aatttgcaaa	ttctttcaca	tgagtaaata	atttaataca	aatccacatc	caaccacac
62401	tcaccatgtt	ctctatccat	attagtattt	ggttttggg	atactgggtc	cataatccag
62461	ccttgaaaat	ctatcctggg	ccacatatat	aactcatacc	aatagcagg	cactcaaggc
62521	atgaagattt	gagggaaacac	aacctatcca	agaaacctca	aggaattcct	tatggctgaa
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62641	tccaggagg	ctcatacacc	caacaaagga	gttggaagtt	tatccttcag	aaaaaagga
62701	gtcactgaag	ggttttaagt	aggcagtgat	ataattggat	cattctggca	gagtacagat
62761	ggtgaaagt	aactcaaagc	taggaagact	atcggaatga	caaagacctg	aactaaggca
62821	gtctgagcgg	gagtgaactg	ataacacatt	aggaagagct	attgaccaca	gcaaattggc
62881	aaaactgggt	gggaagagg	cagatgtgtc	tgagagagac	agaaaggatc	ccagatgacg
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63061	atacaaatat	ggagctccag	aaagaagccc	aggatgaata	tgtgcattgg	gagtaacca
63121	cattaatgta	cggggatgga	tgccaagggt	gcagaggagg	tcagccagag	aattgggggc
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63421	caatttataa	atgggcataa	aacaaataga	catttctcca	cagaaaacat	acaaatggcc
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63781	tgcccatctg	cactccagcc	cgagtgcagc	agtgcagact	tgtctcaaaa	caaacacaca
63841	aataaaca	aaacccacaa	tgaggccagg	catggagtct	gacgcctgta	acgccaacac
63901	tttgggaggc	caaggcgggt	ggattacttg	aggtcaggag	tttgagacca	gcctggccaa
63961	tatggtgaaa	tcccatctct	actaaaaata	caaaaattag	ctgggcatgg	tgccaggcat
64021	ctgtaatccc	agctattcgg	gaggctgagg	caagagaatc	acttgaaccg	gggaggcaga
64081	ggttgcagtg	agccgagatc	gtgccactgt	actccagcct	gggtaacaga	gtgagactgt
64141	ctcaaaaaaa	aaaaaaaaaa	aaaaatcaga	taccacttca	cacctggttg	gatggctaga
64201	gtcacaaaga	ggtagaggaa	ctggaccccc	catacatcac	tgatttgaac	acaaaatgcc
64261	acagtcactg	tggaacacag	cttggcagtt	cctcaaaact	tcaaacacag	agttattata
64321	tgaccagaaa	actcctcccc	taggtatata	cccaaaaaga	ttgaaagcat	atgtccacgc
64381	caagacttgt	acatgaaagt	ttgtgttagc	attcttcata	acagccaaaa	agcagagata
64441	aagcaaatgt	ccatcaacag	atgaataggt	aaatcaaatg	tggtcgattc	atacaaggga
64501	ctattattca	gccataaaaa	ggaaggagg	actgaaacat	gcaacaacat	ggctgaacgc
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64681	accaggggta	gaggggacag	ggaggtgggg	agtgtctgct	tcctgagtcg	agaatttctt
64741	ttttcttttt	ctgtcaccca	ggctggagtg	cagtggtata	gtctaggctc	actgcaacca
64801	ccgcctcccg	ggttcaagca	attctcctgc	ctcagcgtcc	tgagtagctg	ggattacagg
64861	tgacgcccac	catgccccgc	taatgtttgt	attttttagta	gagacgggat	ttcaccgtgt
64921	tgccagggtc	ggtctcaaac	ccctgacctc	gtgatcctcc	ctcctcgggc	tcccaaagtg
64981	ctggaattac	aggcatgagg	ccaccatgcc	aggccaggat	ttctttgtag	ggtgatgaaa
65041	atgttccggc	atcagatgtg	gatgatggcg	gatgtactaa	ccaccactga	attacgcact
65101	ttcaaatggt	tagaatgggt	aattttatgt	tgtgtgaatt	ttctctcaac	agaaaaattc

FIGURE 3-R

65161	aatcatcctt	tacaaagtga	cccacagcca	caaggagctg	gggaagcagt	ttctccagct
65221	tgcagcagga	gctccagata	ttctgagtaa	agaagccaaa	cagcctgctt	cccgggagac
65281	ccttaaatgt	cttcacacat	ccacagctgg	gggaggagac	gctgatgaac	aggagaagat
65341	ggagcatcgg	cctcccctgg	ctactcactc	tgtgctcggg	ccgcctcgcc	cacttgtaaa
65401	accccaaatg	ccagggtggc	agcaaggcat	acatgcaact	atgacttgac	ccgcagcgag
65461	gcagcaacca	ggtctcacct	gggcatagtt	accccacaag	gacaggaaaag	gagaaatggt
65521	ttccaggccc	aggacaccca	gaagccacca	aaaaccaacc	tcatggttca	tcccccttat
65581	ttgactcttc	gacacctaaa	acctgtgcgt	tgtgttcaag	atacaccgcg	cggagaccac
65641	attcccagac	atcccagagg	ccagccgtca	ccacacgggt	gcctcgggga	gatgctggag
65701	acacaagtgg	ctttgaaatt	agcacaactt	acatggcctc	caggctctgct	gtggaaatcc
65761	aggtccaaag	aagaagccag	tgaggaaacag	gaggctgata	attgtgttct	cagaaggggt
65821	tggagcctct	ggggaggggg	cactgaggac	agagcacggt	gttctgcaga	tcatatcaca
65881	tctctacttc	cctctccagt	gatatgcttc	cctcactctc	ccattttgct	ccctctctcc
65941	tgccaaactc	ccagggcaac	cctggataat	aaagtgaccg	aatgtgaatg	cttcagggtg
66001	gcacaccagc	actccagaga	aactgtcaga	gcagggggca	aacccctggc	ctactccagc
66061	cactggataa	gcgcaccctc	ctccatgcct	ccctgctcct	gcctgcccctg	aaggggagaag
66121	gagcgcaatg	aaactagggtc	ttcccctggg	gttctgacca	cctcgtgggg	agattatgat
66181	tgccctgtgg	ttgccatgcc	tactgtgatg	tcactccttt	tatcagtcta	tctggatgaa
66241	tttttcccc	ttttctctga	aggaaacctc	ctacccagtg	cttaggagcc	cattgggagc
66301	tcccgccctt	gtcttatctc	gatctgggac	ctcagaagac	tccacattcc	taacaggact
66361	agctctcagg	atgaagaaaa	tctctctcaa	gctgggtcaat	ctactcctag	atttaagcag
66421	aaccaaacag	aacctatttc	aacatccctc	ctcagaatgc	aaacaggaga	cgctgtgtg
66481	gaaagatcca	atcaccttta	cttaattggt	cagaataaaa	tcactttttt	ctttttaagg
66541	cagagtttcc	ttctgtggcc	cacactggag	tgactggcg	caatctcagc	tcactgcaac
66601	ctccacctcc	caggttcaag	caattctcct	gcctcagcct	cctgagtagc	tggaaattaca
66661	ggcgcgccac	accacacctg	gctaattttt	gtgtttttta	gtagagacag	ggtttcacca
66721	tttggccag	actggtctca	aattcctgac	ctcaagtgat	ccaccctgtc	cggccacca
66781	aagtgtctgg	attacaggca	tgaaccacca	cacctggcca	gaatcacttt	ttcagtaaaa
66841	taagtgcaaa	gaagaatgag	ggtgggggaa	aggtttactg	atcccacact	ttgtcatgca
66901	cagaggaagg	caaagaaaga	aagaaaactc	tttcctaaat	gatcacttgt	ctccagcagg
66961	tgtatcttga	ccattccagc	catggatcta	tagggagtgt	catgccaatg	aaaagcattt
67021	ttttggggtc	ctactatgca	ctaggcactg	tggcaggtac	tggagactta	gtcccagccc
67081	ttaaagaact	aataatagga	tcattggccag	gcgtggtggc	tcacgcctgt	aatcccagca
67141	ctttgggaag	ccgaggcggg	tggatcatca	gaggtcagga	gttcgagacc	agcctggcca
67201	acatggtgaa	accccatctc	tactaaaaat	acaaaaatta	gctgggcgca	gtggcagtca
67261	cctgtaatcc	cagctacttg	ggaggctgag	gcagaagaat	cgcttgaacc	tgggaggcag
67321	aggttgacgt	gagccaagat	tgtgccattg	cactccagcc	tgggagacag	agcaagactc
67381	catctcgaaa	aaataaaaaa	agaaaagaaa	gaaaaaaaag	atcactgttc	acaatcacia
67441	catttacaca	gcctccttca	aaagaatttc	ttctctagaa	agataagctg	agagaccaga
67501	cagttcgtct	gcggccttca	tgaagtgaaa	ggaggcagag	aagaaaggag	ttggccatgg
67561	acaggttttg	ccccagatcc	ttgagtgaag	accccagcct	gctgcaagct	ttttcctcat
67621	tctgtcctcc	cctcctggaa	ctgtgtcgag	cttccacagg	cgggtgaaaga	aggcagcaag
67681	cagtggctcc	agtgccagct	gcagcaacca	caccagggga	atggggccat	ctgacacaga
67741	gaggtgtgta	gggccaggga	gactgtccct	gtagccagct	aacccctcca	gtcaagtoga
67801	ctttcacaaa	atgggcctgc	tcctggaagt	cattgatgcc	attgttaaaa	cacagcacca
67861	ggccgggcac	ggtggctcac	gcctgtaatt	ccagcactct	gggaggccga	gacgggcaga
67921	tcacttgagg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaactt	tgtctctact
67981	aaaaatacaa	aaattagctg	ggcgtggtgg	tgacacacct	taatctcagc	tgttcagaag
68041	gctgaggcag	gagaatcact	taaaccaggg	aggcggaggt	tgccatgagt	cgagatcgag
68101	ccactgcact	cctgcctggg	caacagagtg	agaccctgtc	tccaaaaaac	agcaccctgg
68161	agaagacagc	agtccattca	cactggaaac	atccagactt	attacataaa	aatggcaatt
68221	agtggccagg	cacagtaact	cagcctgta	atcccagcac	tttggggagg	cgaggtggcg
68281	gtgtaatccc	agctactcgg	gaggctgagg	caggagaatc	gcttgaaccc	aggaggtgaa
68341	ggttgcaagt	agctgaaatc	acaccactgc	acttcatcct	ggatgacaga	acgagactcc
68401	gtctcaaaaa	aaaaaaaggc	aattactggt	ggcatcagca	gcacagttgt	tttcagccaa
68461	aacttaagac	acagaactag	ccttatcttt	ccagtatatg	gtatgtctct	tgctattttt
68521	tgcacaattat	ctatcatata	tattatcata	tatatctttt	tttttttttt	tttttttttt
68581	tttttttttg	agacagaatc	tcgctgttgc	ccaggctgga	gttcagtggc	atgatctcgg
68641	ctcactgcaa	actctgcctc	ccgggctcaa	gcaatttttg	cacctcagtc	ccctgagtag
68701	ctgggattac	aggagcacgc	caccacaccc	agctaatttt	tgtattttta	gtagagacgg
68761	ggcttcgcca	tgttgccag	gctggtctca	aactcttggc	ctcaagtgat	ccatctgcct
68821	cagcctccca	aagagctggg	attacaggtg	tgagccaccg	catctggcca	tatatattct
68881	tttaatggca	agcgggaaca	aaatcgattt	cccattttct	gaatgagaaa	accaagccta
68941	aaagagggac	tcccaagtaa	tatcaacttg	caaacctatg	aatttttatc	ttaaatactg

FIGURE 3-S

69001	gctttgaggg	acctttggca	acagcaaagg	cattcggcaa	tttgtgtgga	agtcacatta
69061	ccagcccacc	gaataagcca	caactatgag	ttcttccgtg	attagcgggg	ctggggatgt
69121	ggcaggcagg	cgtggaagtg	agatccacgt	gaaagaccta	agcactgact	ccccgaggga
69181	ctggcgaaat	gacgcagggg	ccagatagat	gtcagatttg	gccaaagtgt	cctcctttct
69241	cacaagcccc	tctgcctttc	acctgtcctg	aggtaggaca	accggatgcc	ctactttgct
69301	gtgcagcccc	actctcttgg	ggacagtagc	ccaaacaggc	tgctcttgct	acacacagat
69361	aagaagcttt	gccacccaaa	accaagaaag	gggccgggtg	ggacacacag	ggaatgctca
69421	ctcagtgggtg	gctgagtttg	tggaaagtagc	aaaacctgca	ctgtaggacc	cacacctgtg
69481	agagagggcc	ccacgggaat	ctcagcttgg	atcaaagcag	gcgggtgctc	actccactga
69541	gggcagcaga	gcccagctcc	aggtgcgcatc	aggaagtgc	ctgagaagct	ggagtctctg
69601	actcacagac	ccaggcttga	atttcagcac	cactcagtca	ctgtgtgggtc	ttgagtgcact
69661	tgcccttggt	tttctctcatc	cataaaatag	ggataaaaaat	acctgacctt	gaaaaattat
69721	acgaatgcc	gcacacagta	catacgcac	gcagagacag	gagctagaat	tattgatttg
69781	ccaaatgcag	cagtgtctgg	actcagccgc	ccacttctga	ccaatggcct	tcacttgtaa
69841	cacagctgat	ctggagggtg	aagcctgcag	ccgtggaacc	aagctctcgc	caaggtaact
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69961	tttattttatt	tatacacata	attctgtgca	ttcctttatg	catatgtata	catatatatg
70021	catatgtata	atttattcaa	atagcatcat	atcactgata	ctatttctct	acgccctacc
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70201	tgaagttttg	gacagtgtgg	gggcgttatt	gtttaacaaa	aatggaatta	tacatcatac
70261	acagtctctc	cctctttttt	tattctacca	taatttgcca	aaatcctttt	aatggttctg
70321	ttataattca	tgatataaag	gtgtcaaagc	tattcagcca	ttcctctact	gatgggaatt
70381	cactcagttt	caacttttgg	ccactaccaa	caaaaaagca	ataaattcct	tgacagtatg
70441	tcctaacc	agaccatttt	ccaaccagac	aaaaggccag	gtcccaggat	gtgaggggtca
70501	cccataaaaa	ggacctcatg	atgaactcct	gattcagcca	catcatcctt	aaaattctcc
70561	ttagaagaga	gacctctgc	tcctagaaat	acaaattccc	aggcatgggt	ctggcttcca
70621	aactctagct	cctccagttc	ttactgcatac	aagtcaattc	tgcagggtctt	cattttccca
70681	tctgtaaaat	aaaatcataa	ctgccttagg	cggcaggatt	tgagagtgtc	ttagcaaggg
70741	attttttatga	gggagcagtg	tgtgaaataa	tatttttgct	gtaattctgt	gagatgttgt
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70861	gttccctctg	agactcaagg	tccttattta	taaggtaacct	ggggctggat	gggaaggcac
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70981	aactggacag	gggagctttg	gagtgtctac	ttgccaggt	ttgtcagatt	ccaaagaggg
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71101	atctcactgg	tgtttgattt	tcactcaaaa	attccctaag	ctctacattt	cattcagtaa
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71461	tggtgcttag	cctataatcc	cagcactttg	ggaggccaag	ataggatgac	tgtttagggc
71521	tgggagtttg	agaccagcct	ggaaaatatac	atgagactcc	tctctctaca	aaagaaattt
71581	ttttgtaatt	agctgggtgt	ggtggtacac	ctgtaatcct	agctattcag	gaggctgagg
71641	taggaggatc	gcttgagccc	aggaggtcaa	gcctgcaagg	agctatgatt	ataccactgc
71701	actccagcct	ggtgacaga	gtgagaccct	gtctctaaga	aaaaaaaaaa	aaaaacctca
71761	aaacctgact	atagaagaat	ttcttctatc	aaaatcgaat	caagcagata	attggcacc
71821	ctttggaaaa	ggattcagca	gcctctactg	aacatacgcc	tgccccatga	cccagtaact
71881	ccctgcaag	gtgtatatac	ttaagggtctc	caaaagacaa	gtaccagcat	gttcccagca
71941	ccactactca	tggaaagacc	agacaaaaaa	ctaccacatg	ctcatcaaaa	gtaaaatggg
72001	aaaataaatc	atggtgaatt	tacataacag	agcactatat	agcgtatgaga	atgaatgatc
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72181	ttgggtgggat	ggggtagggg	gcgttgggggt	gcctggaagg	ggcacggcta	ggcttctgtg
72241	atgtttcttc	atctgggggt	ttgtgacaca	agcatgctca	acttgtgaat	tttgggtgggt
72301	gaacatatgt	gcactttttg	gtatgtatgt	tatacttcag	tttttaaaac	ttaagaaatt
72361	agccaatgaa	caaaaataaa	catgattgtg	agctgggcat	gggtggctcac	actggtaatc
72421	ccagcacttt	gggaggccga	ggcaggccga	tcacgaggtc	aggagtttaa	gaccagcctg
72481	gccaacatgg	cgaaccctg	tctctactaa	aaatataaaa	aattagccag	gcgtgggtggc
72541	agacgcttgt	tatcccagct	actcaggagg	ctgaggcaag	agaatcactt	gaacccagga
72601	ggcagaggtt	gcagtgaacc	gagatcatac	cactgcactc	caaccgggtg	gacagtgtga
72661	gactccatct	caaaaaataa	aataaaataa	taaacatgat	taaggataaa	gcaatccagY
72721	ggacaaggct	cttgagacca	tattttattt	gKcatgtatc	attccggggg	gctctctctc
72781	gtcaatgcc	agactagcta	gtcagtggtg	gagaaaaggc	attctgtgag	aacagatgaa

FIGURE 3-T

72841	aggggaacaga	gaaactggca	ctttcttttg	aaaagagttg	tttccaaaac	ctagatgtgc
72901	agcctctacc	ccaggtaatt	agtccaacac	actatccatt	acagctgagt	ccgggtttgc
72961	ttcaaaagca	tcgggggttt	tttgggtttt	gcttccctta	aaaaaaaact	tgttttgaat
73021	gaggggaaaa	aggcgtagtt	aatttttata	cagaaatctg	ttaaagagat	ctgatcaatg
73081	gtgacaaaaat	ggaagccaga	gatggaaaag	attcactgtg	aggctctggc	actgaaggcc
73141	aacttgggct	tccattcagt	tcaataataa	tatttatcat	agctgctaac	aatttttttc
73201	tcttttttga	gatggagttt	cactctgggt	gcccaggctg	gagtgcaatg	gcgtgacctc
73261	ggctcactgc	aaacctccacc	tccccagttc	aagtgattct	ccggcctcag	cctcctgagt
73321	agctgggatt	acaggcatgt	gccaccatgc	ccagctaatt	ttttattttt	agtagagatg
73381	gggtttctcc	atgttggtca	ggctggtctc	aaactcccaa	cctcaggtga	tccaccgcgc
73441	tcagcctccc	aaagtgtctg	gattacaggc	gtgagccacc	acaccagacc	aatagctgct
73501	aagacttacg	caggtttaca	tatgctaggc	attgctctct	gagcttatat	atattaactc
73561	attccatctc	tatctatgag	gttgggattg	atataatccc	cactttacac	ccagagaggg
73621	taataacttg	cccaaagtca	cacagctaatt	aagtgacaaa	gctaggcagt	ttggctagag
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73741	atgtgctggg	caccatgctg	gacaaaagga	gtactgagat	atataaaaaca	cgggtacaca
73801	cataacaggt	tctagtccat	gcaatgatga	gaatcataca	ggcattctga	ggtctaattt
73861	cagaacaaaa	cgttagaaaa	ctgcctccac	acatctggac	attaagacta	aaatgcagtg
73921	cctgttttct	cattggtatt	attctattca	atagagtcaa	ttttaagact	aagcattcct
73981	tgacacccca	cccatccttg	ggtcatgaaa	ctcaataaag	ctctcttcat	tttgattgga
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74161	agaagccag	gtgttcagg	tattaaaaaa	tgaagaaatg	caaagcagga	ttacaacatt
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74281	acacacatac	aaagtcaaat	acacaatgta	aaataattat	gatcacaaag	ggatgatagg
74341	ctctacattt	ttaaatatgt	actcagaatg	ccctgggaat	gacgtggtca	aggcacagac
74401	tgctgacttg	acactttgtg	atgaacatct	tggtgcacat	ataatctagt	gcacagataa
74461	tgtcaaagtc	tcattagaat	cctccatgga	accaggatg	gtgggtcata	cctgtaaatc
74521	ccagtagttt	gggagggtcaa	ggccagacga	tcacaaccag	gagttcaaga	ccagcctggg
74581	caacatagtg	agtccctgac	tctacaacaa	atttaaaaaat	tagccaggcg	tggtggcacc
74641	cgtctgtagt	ttcagctact	tgaggatcac	ttgagcccag	gaattggagg	ctgcagttag
74701	ctataatcgt	gccactgcac	tccagctctg	gtgacagaga	aagaccttgt	ctctaaaaag
74761	aagcctccag	gaatgggaaa	cccaagttaa	atcagctccc	actccaccct	aactcccttc
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75061	aatcagctac	ctacttgctc	acgagctagc	cctccccagg	cctggcatct	atgcttacct
75121	cctggcccac	tcctgctggc	ctctccacag	gcacagggtg	ggccctaaac	accaggaatc
75181	ttctaattgt	tgtgccttcc	tcccacgtct	gtcccatttc	ctaggagtta	atcatgggtg
75241	ccattgcaac	atggcaccca	atgccacttt	ccagagttag	gtgacgtcca	attccaagac
75301	ctggaggata	aaaggtatta	aagctcctgg	gaccacagaa	gagacagggc	agaaagctgg
75361	tggaaaacca	tctccaacat	ctgtttcttt	ttctgttaaa	atctatccac	tgtgtgaatt
75421	gccaaaggaaa	gttaagattc	ctgttctgaa	acgagaaggg	ttctcttttc	acatgacacc
75481	tgcagaagat	gggaaacatg	atacccctct	cagatcagag	gacaccggct	ccctgtaaga
75541	ggatacccca	acccttgtca	gtgcagcacc	cggcaggggc	atttttacat	ttttctcttc
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75661	ctccctagga	ggtctcactg	cccaccaccc	ctttatttag	ctaagtagca	gagtttttat
75721	tttactgttt	attttatttt	attttatttt	attttatttt	attttatttt	attttatttt
75781	agacagtctc	cttctgtcac	ccaggccgga	atacaatggc	atgatctcag	ctcactgcaa
75841	cctctacctc	ctgtgctcga	gcaattctca	tgtctcagcc	tcccagatag	ctgggattac
75901	aggcacgtgc	caccacaccc	agctaatttt	tatatatttt	gtagagatgg	ggtttcacca
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76141	gcgccggcta	atttttttgt	atttttagta	gagacgaggt	ttcaccatgt	tagccaggat
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76261	aggcgtgagc	caccacgccc	agcctaggat	agtcttgaa	tcctggcctc	gagtaatctg
76321	cctgcctcag	cctcccaaag	tgctgggatt	atgagccact	gcacccagcc	agtagcagag
76381	tttttaaata	acttccagag	ccctttactg	gagacacacc	caagaagatg	ggctcttatt
76441	cttcccacag	aggactatag	accatcaact	aaattcactg	gctcctactc	aagctataga
76501	aagctgagga	ggaccttgga	acatcctctc	taaattcctc	ccctagtctc	agtcagggtg
76561	aacaaaaatt	gattctattt	tttcaaaaaca	ccagcccttt	cagatggcct	ggttaatctt
76621	cattaacatg	ttatcttcat	taacatgttt	atcttcatta	acatatttct	cagtataaag

FIGURE 3-U

76681	aagggccag	ggttcaacat	cccactttgc	atccatgcag	acaagggtg	tgggaagctg
76741	taaaactgaa	gaggcggtga	atccaggagg	gattccccag	atatccgtga	gttggtgttt
76801	gactttcttg	aacacgtctt	tcctttactt	tacacttaca	cttactgagc	attcactctg
76861	gaccagaccg	cgtcctaaga	gcttcacgtg	tgtggtcatt	caatcctcaa	accaatccta
76921	tggggtaggt	actggagtta	agtgatggcg	ctgggatttt	aaccagaag	tctgattgca
76981	aagcccaact	taccatgagg	gccacgacat	atgtctctac	ttacggattc	caccagtact
77041	cttgacagga	gcatttacct	cactatatta	taagccttga	tctacttttc	tatctccctg
77101	aagcataatc	agccataatc	tgctaaccgt	gcctcagttt	tcatttctct	ttctattttt
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77281	ctccccagta	gctgggatta	caggcacgta	ccacctgccc	cagctaattt	ttgtattttt
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77521	atctgctcca	aactacatct	cccaacatcc	cttggtggcca	ggtgtggcca	tgggcctaag
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77641	acctcctgct	tctcacatcc	tgaaatacac	acttaaggat	acaaaataga	ctaaaacctg
77701	ggtccatgaa	tgatgacttt	ctggacctac	cttacctgcc	tggtgtgctc	gccaaacgac
77761	ttatttgaca	aataaataaa	cttctgtctt	atttagcttt	tttaattttt	tttatttttt
77821	tttgagacaca	gagtctcgct	ctgtcgccca	ggctggagtg	caagtgcaat	ggcgcatctc
77881	cggctcactg	caacctctgc	ctcctggggt	caagcgattc	tcctgcctca	gcttcccaag
77941	tactgtggat	tacaagcatg	caccaccatg	cccgctaatt	ttttgtattt	ttatgtagag
78001	acagggtttc	actatgttgc	ccaggctggc	ctcaaattcc	tggtttcatg	tgatccgccc
78061	gccttggcct	cccaaagtgc	tgagattata	ggcatgagcc	actgtacctc	gacttatgta
78121	gccattctat	ttggggacct	ctttgttata	gcagcttagc	ctgtatgctg	gattcagcac
78181	ctgaagtccc	acagcttgtc	tattctattt	caacatctcc	agaacctttt	cttagggctt
78241	ggaacatagt	agttgctcag	taaatatttg	ttagctgaat	gaaaacacca	ttatgtaaag
78301	caggtagtac	cagggctaaa	caaactgatt	tactcaagct	gtgcagggtg	cccgatatcca
78361	ggtgactaca	atgtttcctg	ctttcctgga	aaacaggagt	tcaggacaga	gagagtaggt
78421	ttaggaaagc	atttgcaata	ggaaaggggt	aagctttcac	tgcatctgtt	gttggtctct
78481	tgctgagaca	acagattttg	ggcttaatat	aaagttagct	gaggttactt	cttgtctgat
78541	aaaaataatg	ggctccattt	gagcatttac	tgtgtgccag	gttctgtact	aagcgcttca
78601	catacattat	ggcattcatt	ttcattcaat	tctcacaata	accctacaag	gtagaaaata
78661	ttaatatctc	cagatgaaca	aaccaggccc	ccaaaaaagt	taaataactt	gccctagctg
78721	catggctcgt	tagtgacaaa	agtaaaattc	aaaccacaag	tgtttgagcc	taaaccttact
78781	ctcttcataa	ccaatctgcc	actctgcttc	tcttctctgt	tgacaagcca	atattcccca
78841	ctatggttat	aagtttcaag	ggctggacca	cgttttgtgc	ttatctcaat	agacgccaca
78901	ggcacggagc	ttccactggt	ggctgtgaca	cttcttctct	gtgcatgatt	ggtgaggggt
78961	tgacacaccc	caccaggaga	catgacggca	gagggcaaac	actctgagac	ccagggtcca
79021	cccagctctc	ttttgccctc	tcctctccct	gggctgcccc	ggctgcctcc	ttgacctctg
79081	cactcttctg	cccacgctgc	tgccgcccac	atcttgagca	gcaccccccg	gggcccgcct
79141	cctgctctgc	tttggtgaca	attcctgccca	ggcccgccag	ttctctagc	taaaagccgg
79201	aagggtccaga	cctgcccgtc	tgccctggta	atgggtgtgt	ccacatttca	cctcccacct
79261	tcaccctaac	ttcatcctca	tggccattct	ttatccacaa	caactccttc	ctcccatttc
79321	cctagactca	gcaaagcagt	caggagctag	gcaagggtgg	ctttatccca	gaggttgagg
79381	taaacctagg	gctcataaat	ctagggtgtg	gagccaaata	cggccccctg	gattgctttc
79441	tggttggtgca	ctatgctttt	tgaaaactga	gttagctagg	tttaggctgg	gcacagtggc
79501	tcatgcctgt	aatctcagca	atttgggagg	ccaacctggg	tgatcacctc	gaggtcagga
79561	gttcaagacc	agcctgacca	acatggtgaa	accacatctt	tacttaaaaa	atacaaaatt
79621	agccaggcat	ggtgtcatat	gcctgtaatc	ccagctcctt	gggaggctga	ggctgaagaa
79681	tcgcttgaac	ccaggaggtg	gaggttgacg	tgagccgaga	tcataccact	gcactcctgc
79741	ctaggcgaca	gagagaaact	ccatctaaaa	aaaaaattag	ctaggtttaa	agtcattaga
79801	ggtcatataa	aatgcaaat	ttcaaaactc	tctcagaaaa	tcaggagccg	tgacaacact
79861	gggctcacct	ccccatgtgg	caaattggct	gggttgaatg	tgaacatcct	ccctggaagg
79921	gcataaaact	cccagttgac	cacagtacag	tcccccaacc	cccacctccc	accaactccc
79981	tattcttctg	ctcctacagg	tttatctggc	ctgactagcc	cccagaggca	ttggagtttg
80041	acacgcccac	agcagtgccct	ccattttggc	gatgagcaaa	ctgagaaaaa	gcaaagagaa
80101	attagtcccc	cagatctcca	agtgaattca	tcagcaaatc	cagggtgggc	aatcattaga
80161	caatattttat	ccagctccca	gatgtccccc	cccctgctct	gttcagtcac	tgcaactcat
80221	catgtggctg	ccccaatgcc	ttgggcatgc	cagagagaca	cctcattctt	tcaacacaca
80281	ggtcacaaac	atcttttgtg	ccatgacaat	ctgattctcc	tcacgtcacc	cgaagattaa
80341	ctcttttcaa	atctgtgggt	cagattatac	accctgaagc	tgctgagggg	tgacctctca
80401	ataaggctaa	tctcccctgg	acctaataac	tggtggggcg	tgtgtgcatg	tgtgcatgtg
80461	tgtgtgtgtg	cgcacgcgca	tgtgtgtacc	catgtgaact	cgctcatgca	tgtgcttcta

FIGURE 3-V

80521	gattaacact	ctttcttctc	attaacttcc	cagacaggtg	agaagtcaac	atttgcccca
80581	gttagagaac	cagaaagtat	cagtcccaact	gccccatcta	aaggggcagc	agctgctgat
80641	ggttgccata	gtggaatgaa	gattcagggg	tgccagatct	ttcaactttt	caagaagcca
80701	ggaatataac	ttagaagagg	ggagcaatgg	tctctaaaga	cctgtgctga	gaaacaagtt
80761	cctaagtgtc	tgggagaatt	tatgaggacc	aggtgctaga	gaatgccggg	aatgaacgc
80821	tcccctttga	acgtcccatt	ggtgagggtc	gaactatgtc	ctcaatccct	catcagccta
80881	tcccaggact	ctgaagagga	ccccagggtg	cttggctggc	tttgcccttc	agcctaagaa
80941	tgtctttgac	taatatTTTT	cttaatccct	gtttgctctg	tcctcaaaac	aagccttttt
81001	ctctttttct	tatccatctt	ctccatagag	ccctcaggtt	cttaactcac	acggcactat
81061	ctggatcttt	ccagtaagta	ggttgccgtt	tccatttctt	tgattaaaca	actctaacaa
81121	agaattcatt	gagatgaaaa	tgcttatcat	gaagcaggtg	acatcctttt	cctccccaaa
81181	ccacaagcaa	ttaacatata	aatggccttg	caaagggact	tctttgagag	gtggcagatt
81241	ataactactc	ttgctcctac	acggataaag	ctttttttta	aagacaggaa	agaacaattt
81301	acaaatgaga	aaatgtcaca	gatggccaca	aactaacttc	ccgagggatg	agtattttga
81361	tgagataact	tcttcaagt	aaaaatgtac	aatgtacaaa	atgtccactc	gaggatctgt
81421	tcttccccgt	gtgggtaatc	gccttcttac	cacgggcaac	gggtaggcaa	ccgatatgcc
81481	cagaaaggcg	gccaatggga	ggacagctcg	cccagcctcc	cgattggcca	ggccgcgcac
81541	cagctggaac	catggcgagc	tttgaggaca	gcagagccac	ttgatgggat	tctctctctc
81601	ttcaaagcat	agagcaaaca	tcaattaatc	ctcaaaagac	gctttcaaga	agaacattat
81661	cccttttgga	gacgcagaag	ctaagagggtg	ccgcaggtag	gtgaagggaa	ggcaggaagt
81721	tgaagaggag	aggagaaagt	ggagcaccgg	gctttcagcc	ccagttcttg	ttctcctgag
81781	agagtcaagt	tgaggagaa	gaatgaacct	gcagaagccg	ggcagggaga	ggtggtggag
81841	aagccgctgc	tcttggtg	gccccctcaag	gcttccact	gccccatccc	ctaggagacc
81901	acggagtga	aaaagttgga	ggcctaagta	cagccgtgtg	taccagccg	ggcaccagag
81961	ttaagacaac	tggacttggtg	ctcaaaaacc	cttctttagt	aaaacaaccc	gtaggagtct
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82081	cgccccccaa	cacactcaca	cccccttgc	tgaaatgggg	agaggggtg	gactgggtg
82141	tgtaaacaga	ggcactgcc	tgcttggtg	ctctttccat	cttaggagaa	ccaatccaga
82201	actttctacg	gctcacactc	tgatcacagc	ctgtcgccat	gattggcaat	aaacgtcaca
82261	cattctcacg	ttatacat	attcgacctt	taatatgtg	ctctgagatt	cctggaaaaac
82321	ttgtatgtc	ttggtcaaac	gttataaaaa	cagcccacta	ttttttcccc	actcacatcg
82381	tccgtgttga	ctgccttaca	caccgatttc	tacatggaat	gttttttagcc	tgcattttaa
82441	cacttagaat	aactttcttt	gccacacact	acatacatac	tgtttgcatc	aataaacaga
82501	gcccgtgcca	catgcaagtt	ataggtttat	tgagacatt	taagtgttta	tagaaaggac
82561	ttttctaaag	aatctgaatg	ggagtctct	caattttacca	atagtcaaag	aaataaagaa
82621	aattacccta	cagctgattt	ttttttaatt	aaactaccaa	caactattct	gcatagacct
82681	tgctgtgtg	tggtgtgatg	tggtgtgtg	tgatgcatg	cttgctgagg	catagaaaat
82741	atctggaagg	atttacaaaa	actccttagc	tttggggaac	agaatggaca	gacagagaga
82801	aaacctcttt	ttttcttggt	ttatgttctt	tactgtgcat	tgtttacaat	cagcatgttg
82861	ttgttttttt	ttttaagact	agtcaagagc	agcagtgaga	aaggggggaag	gaaagaacaa
82921	ggagttcaat	ctgtaactgt	gaacaaatcaa	ttgagataac	tcactaccct	cagactagcc
82981	accatgttgc	tttttaaatg	tttcaaatca	caaaatgaaa	aagttactct	aagatcatct
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83161	ttaaccaggc	tgcaagtgc	tggcacgatc	ttggctcaac	acaacctctg	cctcccagat
83221	tcaagtgatt	ctcctgcctc	agcctcccaa	gtagctggta	ctacaggcgc	ggaccaccat
83281	gcctggctaa	tttttagtag	agacggggtt	tcactatggt	ggccaggatg	gtctcaaaact
83341	cctgaccttg	tgatctgcct	gccttaggct	cccaaagacc	tggtgattaca	ggcatgagcc
83401	accatgccc	gcctgctacc	ttttttacat	acacaaaata	attgcaaact	ttactgcag
83461	tactgccaac	cctcatgtca	ccatctacaa	tgtaccacgt	caagaaagga	caatatcttc
83521	aaacccactt	accagaagaa	aaggttgaag	ctgtatttgg	caggatactg	acatacaaac
83581	ctccaagatc	tgggaaacaa	ctcaggctcc	ttgacttgac	ttccttaacg	atgacttgag
83641	aaacaccaga	aagtccagaa	cacataaact	catgaaacca	accaatagac	tggaatctct
83701	cctgttatta	aagtcactct	tttgccagg	cgcagtgctt	cacacctgta	atcccagcac
83761	tttgggaggc	caagatgggc	ggatcacttg	gggtcaggag	ttcgagacca	gcctggccaa
83821	catggtgaaa	ccctgtctct	actaaaaata	caaaaattag	ccaggcaagg	tagtgcagtc
83881	tatagtocca	gctactcttg	aggctagggc	aggagaattg	cttgaacccg	ggaggtggag
83941	gttgcaagtga	gccgagatca	cactctactc	tctctactct	actccagcct	gggtgataga
84001	gtgaaatcct	gtgtcaaaaa	aaaagaaaaa	acaaatcatc	ttttattctc	ttaaagaatg
84061	aatttttcat	gggccatcaa	cttcttcagt	catttaagta	tttgtttaga	gaatatttca
84121	gttagaaact	caggaaatgg	agacctgacc	tcaaagggcc	ctttccagtc	ataaagtaat
84181	tagaaataaa	ataaaaaacag	gttgaagtga	taagctgata	agaaaatcca	atttggtttc
84241	aaaattgttc	acttacagct	gtttttctca	tgaatatagc	tatagttgtc	atcagcaaat
84301	cagtggcttg	gaattcgaaa	ggagtgaaaa	tatacatcct	gggtctcttg	aactcctagt

FIGURE 3-W

84361	gtttgccaga	gctaggcagc	aggatcaaat	ggtcaatttc	agcctggccc	tgaatcaaaa
84421	accctctaac	agtcacagaa	gttctgcagc	tagtcagtta	cttactgccc	acacttcact
84481	cagcacaaatc	cttaaagtca	ccagagggag	cccaaatttg	cgacaaacca	gaatgctttc
84541	cttttagggc	atagttgtcc	ttctgattct	acttttgccc	tctcctttcc	aagactaatt
84601	tagaaacgaa	gggaagtagg	ctaagaaaat	cctcaccttt	aatattaata	agacttgtgc
84661	agtccccgga	tgatcagagc	ccagactaca	taggacttga	aagaaagaat	gagactttga
84721	tatggaatat	gaaaaagtaa	caggtaggag	gggtggagag	accaaactga	gaggcctagg
84781	gcccagcttc	tgacgctctg	tactgactg	gcccgggtgac	gatcacgcct	atttactaag
84841	cagggatgac	ctacgcttac	ctgtctacat	ttttatctgt	gagatgaacg	aaatgaaacc
84901	tccaatggtt	tatttgccat	gacaattttt	aaaaatcagt	aggaatgagg	gaattaggaa
84961	ttgagcccat	gctatacctt	cttttcaaaa	gagatttcac	atgtaccatc	tcatctgtat
85021	tcttggagag	atagtagccc	attatgagt	gctccaattt	acagaaaaag	taactaaggc
85081	acagagtggg	gatctaccca	ggacagcatg	gtctgtagaa	gaagcattgg	tctgtttagt
85141	gcattgaaat	gtattccaga	gatattggtc	tgtaaagacc	ttcccagaat	gtgtctagaa
85201	ggttcaacca	cctggtggaa	gacatagaac	gccttgcat	gccttcccca	ttccagcctg
85261	gagttctctc	catggtctca	gcctgcttct	atgaagctta	gttttatagg	gagcctttta
85321	accaagccaa	cctcagagtc	ccactggcca	aggggatggg	gggggaggca	aaggattcta
85381	ctggggcagt	atgtaaccca	catataagtt	ccatccaaag	caacgcttcc	aaacctagct
85441	caccaggaca	ggagaaaggt	taccatcagg	gtactcttag	ctgagaactc	atacctttcg
85501	ggctttYatt	ggcttgaggc	atgagtgtac	agcagagccc	cacatcacia	tcctgtact
85561	catagataaa	ttatattagt	gggcagggaa	tgtcaggaaa	cttaggttgt	agaatctaga
85621	tcaacaactg	cttaccgagg	agctgggtga	attgtaaaga	aagaaagaaa	caagtgttga
85681	atgactgtgg	cctcattaaa	catttctgtg	gcctggcctg	tgctttgggc	tttcccagag
85741	ctgtttcatg	caatagcttt	gggcagggca	cttctttgga	cttactccaa	ctacacaagg
85801	aggaggagga	tgtctatggg	tctttccacc	ccagacacag	tatcagtcac	agccccacct
85861	taattccact	actccaattc	tgttctgagg	gtatcacagg	atgctgtggg	gggttcccca
85921	gccccacaaa	atccttttct	ccttcaaac	aggagaacat	ctttccttcc	ttctctgaca
85981	tccatcttgc	agccagcagg	actcccagcc	agaacattgt	caatttactc	agggatccat
86041	gaggcacctt	ttggaagatg	agaggggttg	ggtgaaaaaa	ggaagaggaa	gtggggtgct
86101	ggtactttctg	gaaacaagcc	atttctcagc	ctgctctgtg	aagggtcccc	aaacctaca
86161	catagctagg	aagggaaact	gcattccaa	aatgcatggg	ggctagaagg	acccgttggg
86221	gcattggatcc	caccacaggg	agataaatt	ttgaaaagag	cacacattta	accaggtgaag
86281	aagagcccat	gccctggctt	aagagcatag	ctgtttcctc	ctccatctgc	ccccattttc
86341	ccaggcctga	ctagagcaag	tagttaagcc	aacccaaata	cagaagtatg	aataatgcgt
86401	gaagcacagg	aggacaggca	gatggccttt	tcacctgcgc	aggctatata	gctctgtgcg
86461	gaggggctga	gagtcacggg	cggccctctg	gccccctcagt	aactgtgcaa	gaggaagtgg
86521	gctccccctg	cgggggtatg	aaatgtgggg	cgaggactta	ggagttcacc	gggaagtggc
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86641	aatttgcttc	cagcagattc	cattagtgtg	ctgacagacc	aagggcctgg	aggaggtccc
86701	tggaagagct	gctgaatcag	cagactaaa	gggcgaccag	gaaggccaga	cgtcttgcac
86761	cgagcccttt	gctcagagtt	tctatttgaa	gagcttagaa	taactatttg	ctaagctctt
86821	tccaaggcag	cacctctaaa	cactgttagg	agagaagaca	cacaaacctt	gaccacaaa
86881	tgtgaatggc	caatcagaag	ctgacacaat	cagctgtctga	ctgaggaaaa	atgattttat
86941	gggggaaaaag	aattcccaca	tgaataata	agcaaaaagt	ataaacttat	taaaaagctt
87001	gttaaaaaact	tacttaaaaa	gcaaaaagtt	aaacatgggt	ccatctgcaa	ctaggaactg
87061	gtcggggagg	gagggtttga	acttcccttg	agtttcaatt	gataatcccc	gaagattaag
87121	aaaatagtga	tactattact	actgctgtg	ctattattac	aaataataat	aactacaatt
87181	aacattttatt	tggcacctag	tacatgctag	gaagttaggca	atgagttttt	ttgtttgttt
87241	gtttgtttgt	ttttgagatg	gagtcctact	ctgtcaccag	gttgaggtgc	aggggcgcaa
87301	tctcggtcca	ctgcaacctc	cgcctcctgg	gttcaagcaa	ttctcctgcc	tcagcctccc
87361	gagcagctgg	gactacaggg	acacgccacc	atgccagct	aatttttttg	tatttttagt
87421	agagacggcg	tttcaccatg	ttggccaggga	tggctcfaat	ctcttgacc	tgtgatccgc
87481	ccacctcagc	ctctcaaagt	gctgggatta	caggcgtgag	ccaccacgcc	tggcctgcaa
87541	ggagttcggt	atgcatgatt	tcatttactc	cttgcaacat	ctctttgagg	tagggaaact
87601	gtgtgggtga	gaaaagtcac	atagctgcta	agtcatagaa	aacgttcaga	gcaaaatcaa
87661	accaggtgtg	aggccaggtg	cagtggtcca	tgctgtaat	cccaggactt	tgggaggctc
87721	aggcaggcgg	attacttgag	gccaggagtt	caagactagc	ctgggcaaca	tggcgaaacc
87781	ccatctctac	caaaaatatg	aaacaaatta	gccaggtatg	gtggcataca	catgtgggtc
87841	catctactca	ggaggctaag	gtgggacgat	tgcttgagcc	tgggaggcgg	aggttgaggt
87901	gagccaatat	cacaccactg	cactccagcc	tgggtgacag	agttaagact	ctatctcaaa
87961	aaaaaataaa	aaaacccagg	tgtgtccaac	tccaggcttg	tgcacttacc	cactctgcta
88021	tatggctaaa	tcccacaggc	tacagagaga	gcagggaagt	aggactcagg	agactgcct
88081	ccagccccac	aggcaccctg	actagctgtg	ggatcttagc	aagtgttttc	aacttgtggg
88141	ccatcgtatt	ccatcagatg	attgatgtct	tagggacccc	ttcaattcaa	accacagtta

FIGURE 3-X

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88201 ttggtggact gcctgagtgc caggcactaa gatagggggt gggggaatgt ataaacaaaa
88261 ctaaggcgtg gtccttccct ccaggagttt acagtctagc cctgccttat gcaaaagcca
88321 aagagcctta ggtgtccctt cagggtctaaa atactactca gagattcctt ttgaacatgc
88381 aaagtatttc tgacagcatt catattcatc ttctatttgt tctgtgtgga catttgcattg
88441 gagaggtatc tgaaattatg ttcgtccaat ggatttgggg tgataatttt gctctcatct
88501 ttttactttt atgtgttgc tgaattttta gtaacaaata tacatcattt ctataaaaaac
88561 aaaggcattt ttaaaatact gctaaataac actatatatg ggtgtatatg tatatgtata
88621 tatgcacaca catacctata tacacatata tttttaacaa gtaactggat atttaataat
88681 actgtggaat tattgttaac tcagataaga ttgtgactag gtttccagaa agaactcttta
88741 ttttttgcag atacatactg aaataattta cagataaaat gatgtctgag atttatttca
88801 aagtaatctc tagtgtgaga gggtaggagt aggctataga tgagacaacg ctggctctga
88861 gttgcaagtt gtggaagcaa tttgggtgct aggtgatggg tataagagtg ttcacgatac
88921 tacatagggt tgaaattttc catactatac agtaaaaaag gaactccttt caaggccaac
88981 agggaagcaa catttcccca aagctaagct aagcacccag ctggcagcat ttctacctgg
89041 ggtttctacc acccttgggt tcctctcttc tttgactatc tatcacagtt taacttcatt
89101 ggttctctgc agcttccctc cccccccccc ccacaccatt cccccctaac cttctggaat
89161 cacgtgttgt atctatttgt acattccagt gccagggcca tccctcttcg accttacctt
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89521 gtcccaaata atttaaacct gaaagacatg atctagtgcc aagagctaga ataccacca
89581 actaccatc ccaatccagt tccccattta actgacaaaa aaaaaaaaaa acagaaatgg
89641 tgtaagccca ccatgtaagt aaacataagt aaacagtggc agaggaaagg gtaccagac
89701 ttcactgtgg caggcccacc tgggaccaca ttcagaattt ttacaagctt Wgctgcgatg
89761 ttgaccaaaag ttctcccac ttttttcat ttgcttgaat ttcactttta tttttattaa
89821 catcttttgt tttgttttgt tttgtttttg agacagggtc tcacctgtt gccagggcta
89881 gaatgcagtg gcacaatcat

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FIGURE 4-A

>4:68275001-68368000

1	caaagaaata	aaagtaaaaa	aaaaattaaa	aatgactcaa	taaaagagaa	atcacaaatag
61	aaaattataa	agtataaaaa	aagagccatc	acacttcatt	cttcctaagt	cctacaccag
121	agttgcttta	aatgtgtgta	tttaatgggt	aaataagacc	tgaaaaggga	gttggcctaa
181	aaatatTTTT	accgtRaaac	atcaatttct	tcagagttaa	tgagaattat	atgctaacca
241	taccaaaaac	cttgattaga	atTTTTagct	tagatgtatt	gattgatatt	aaaaaggga
301	agttgaggcc	acatacagaa	agcaatggcg	aaggacactg	cctccaacag	aaaaatgaa
361	ccaaaaagca	taatggaaaa	acattttacat	gtaatatata	aaatagatgt	catgccaaaca
421	cagacacaca	aggtgagaa	accatgtgat	aatgcaagta	gattgaaatg	ctaccgggtgc
481	aagccaagga	atgccagaaa	ttgccagtaa	accaccagaa	gttaggaata	aggaaggatt
541	ctctccctta	caggttttca	aagacatcac	ggccttgaca	acacctgat	ttcagacttc
601	tagcctctag	aactgagata	ataaatttct	gttgctttaa	gtcactcatt	ttgtggtatt
661	ttgttacagc	agttctagga	aattaatata	aacatgcctt	ttaccacagt	tctctcccat
721	tggattatTT	ataataaaat	gattttaa	tagtatttgg	aaaagatggt	ttttaatgag
781	tagacataatt	aatcaggtct	cttttgacac	agaaatgttc	tatatTTcat	tttcatattc
841	ttgtcaaatt	ataaaaaata	tatcataaat	atggacatcg	ctacaagcta	ttatgtacag
901	tactgaaaa	atcagaaaaa	acatgtgagt	tagaaatgtt	tatcaaatac	aagtctacag
961	aaaactgaat	aaaattttta	ttttaaaaca	tcacaagtaa	ttacaaagac	aaatattcca
1021	actatacaaa	ctgtttttca	catatacata	tatacatata	tatatTTaag	gttgggtgat
1081	ctttcatctt	tttatctgag	taaaaagaag	aacactttcc	tcattccgga	gatttttgat
1141	gttataaatag	ttacctaaaa	gtaaagtgat	aagaaaaata	aaattattta	catatgaatc
1201	attctTTTTg	attaagtatg	tagtcatcac	ctgacagttg	tagtatagga	cacaagataa
1261	aaacaattca	cctaaccctaa	agtaacttat	ttaattccat	gaactacatc	aaagctaac
1321	catgacacgt	gatccagatg	aggcttgaga	gaacagaaat	ataaatttca	catcgttatg
1381	aaaataaata	cggagatgaa	tcagtcgaga	gtgtaagaaa	agaaaatctc	tttctgaaac
1441	caatctttat	taggtctaca	gaactgctgt	ggattcctct	aaccagacat	actcatatat
1501	agatgaatat	aaaaggtaca	atgttaagta	gaataaaatc	tcaaaatttt	atttattttac
1561	ttattTTTTg	tttttgtttt	ttctttttct	ggagaacggg	gtctcgctat	attgccagg
1621	caggtctcga	actcctgggc	tcaagctatc	ctcccgctc	ttgcctccct	gagagctggg
1681	attacaggca	tgagccaccg	cgcccgcca	aaatctcaa	attttaaaa	ggcaaagtgt
1741	actcttaaat	aaatgaggta	aaaataaaca	gcaaaagtga	aatacagatg	gaccgcaagt
1801	atcacatgtg	acaggcttat	tagaattgag	tactatcact	gtgactttct	atatattaga
1861	aattgagaaa	gtattcaca	cagtgctgac	atactaagga	ttatgcaagt	atggctatta
1921	ttattgtctc	cttccaacag	aatgtaagct	ctataaaagc	agggattttt	gcctgttttt
1981	tcattttatat	atcccaaate	ttgcagcaat	acatggacat	agtagacact	ttgttttgtt
2041	tttgTTTTg	agacagagtc	ttgctctgtc	accaggctg	gagtgacgta	gtacaattcac
2101	agctcaccgc	aactttgaac	tcctgggctc	atgcagtcct	cctgtcccag	cctcccgaga
2161	gctaggacta	taggtgtgta	tcaccgtgcc	tggttaactt	ttgcattttt	tgtagacaca
2221	gggtcttctc	aggttgccca	ggctgggtccc	gaactcctca	cctcaagccc	tcctcagcct
2281	ctcaaaatgt	tggtattaca	ggtgtgagcc	actgcacctg	gcccatagta	gtctcttaat
2341	catacttggt	gaatgagtg	ataattgaca	agtggattaa	aatgcctatt	tacaataact
2401	tctgctgttc	gatagctgat	gaagcatacc	attcttgaaa	cagtttaaaa	taatgttcta
2461	aaaacataat	ttcttagaga	taacatgggg	taaataattt	ttgttctcct	ctgtaataca
2521	acatatctgc	tgactatata	cataaatgta	tttttttttt	tgagaccgag	tctcactctg
2581	tcccctaggc	tggagtgcag	tggtgcagtc	tctggtcact	gcaagctcca	cctcccagg
2641	tcattgccatt	ctcctgcctc	agcctccaga	gtagctggga	ccacagggtg	ccgccaccac
2701	gccagctaa	tttttttgta	tttttagtag	agatgggggt	tcactgtgtt	agccaggatg
2761	gtctcgatct	cctgtccttg	tgatttgccc	actttggcct	cctaaagtgc	tggtattaca
2821	ggcatgagcc	accatgcccc	gccaatattt	tcataattcag	tagtaaaaca	ctcttgttct
2881	catgtatcaa	aacactaatt	ggttgggcac	tgtggctcac	acctgtaate	atagcacttt
2941	ggaggccaag	gtgggcagat	cacttgagg	caggtgatct	gttacggcta	acatagcaaa
3001	atcccgctc	tactaaaaat	acaaaaagta	gccggatgtg	gtgggttcgtg	cctgtagtcc
3061	cagctactcg	agagtctgag	gcacaagaat	cgcttgaacc	caggaggtgg	aggctacagt
3121	gagctgagat	cgtgccactg	cactccagcc	tggttgacag	agcaagactc	tgtctcaaaa
3181	acaaaaaaaa	accaccacaa	aatgctaata	cacttaccta	atgatcaaat	gaaagggaaa
3241	tactgtacc	actgttctga	catccatcag	tcataacaca	cttcattttg	accactgtgg
3301	cttccatttc	catagtgcc	aaaaacaact	atatacatgt	tgtctaagt	aaataaattg
3361	tcttacctga	aggaacatag	aacgaatccc	cagtacttaa	tatataaggt	gtttcatgta
3421	aagtacacaa	aaggtcacca	aagttaacat	aaaaaacctg	taaaaataaa	aataaaaaatc
3481	tcattcaaaa	ctgaaccatg	ataactttc	aaaggaaact	taaaatgtag	tggaagaagt
3541	aacgactccc	cacaaatgtg	ctggctttaa	tctccagaac	ttgtaaatat	attaaatttc
3601	atggcaaaag	ggaccttgag	atggggagat	tatctttgat	aatgtaggta	ggcccaatct
3661	aatcacatta	agcccttaaa	aatagagtac	tttctcctgc	tggaagcaga	gaagaaacga

FIGURE 4-B

3721	aagagaagga	acagtcacag	aaatttgaag	catgaaaggg	acttgcaccg	ttgctggcac
3781	taaagatgtg	gggccatatg	ccaagaaaca	tgagttattt	ctaaaatcta	agaatgacac
3841	cctggccaac	agccagtgag	gaaatgggaa	cctcagtcct	acaaccactt	aaaactgagt
3901	tctgccaaca	gtctgaacga	gactggaagc	agactggaag	cagattcgtc	cttacagcct
3961	ccagaaagaa	atacaaacct	gtcaacatct	tgattccagt	cttgtaatac	tctaaagaga
4021	atacctggtc	aagctcatgg	ttctctctac	ataactgtga	gatagataat	acaagagtat
4081	tgtttcttgt	tttttgagat	ggagctctac	tctgtcatcc	aggctggagt	acagtgaggc
4141	gatctcggct	cactgcaagc	tccgcctcca	gggttcatgc	cattctccag	cctcagcctc
4201	ctgagtagct	gggactacag	gcgcccgcga	tgcgcctgg	ctaatttttt	tttgtatttt
4261	tagtagagac	ggggtttcac	catggtctcg	atctcctgac	ctggtgatct	gccgcctcg
4321	gcctcccaaa	gtgctgggat	tacaggtgtg	agccaccgcg	cccagcccaa	gagtattaag
4381	ccattaaatt	tgtgatacag	tcatgcactg	cctaaccgatg	tttcagtcac	cagcaaacctg
4441	cctacatgat	agtgttccta	taaggttaca	atggcattta	aaaaatcgta	ttgcctagt
4501	acctcacagc	catcatgatg	tcccagtgaa	aagcattact	cacatgtttg	tggtgatgct
4561	gatgtaaata	aatctactga	actgccagtc	acataaaagt	atagcacata	caggaaaaag
4621	tggaggatag	aaagtaggac	taacttgcag	ctcccactca	gatggacaga	acagcatgtg
4681	gaaactcaca	tcatgaactt	ttttgccaga	agaactactg	caggaacata	ccaagaaaac
4741	tgaagaatt	cacagactct	ttgaaagaaa	tggttgctg	ctgcaaactc	catgagacag
4801	ctgaacaacc	gtgagtgtcc	aaagtgtgaa	aggggggaaa	gtctgcctcc	aaacacatcc
4861	ttactgggga	agctgaaaaa	ccaggtcatg	agagaaggat	ttaaccttac	ctagagctga
4921	aacgaattga	gagagccaag	ggaaatataa	tagtagaagc	agaggcagga	agagccctgt
4981	taagtactcc	tggtttccaa	ggaagccatt	ggaagccatt	tctgacttta	tctagagggg
5041	ttccttgggg	atggctgtcca	gtggaactgg	gggaggacca	cagaaagaag	gaaacttcca
5101	gctgaacttt	aaataatttt	gatgaagcgt	gaattttcct	gggcagaatt	gggggaaggg
5161	cgaataggaa	gttcagatac	aagccagggt	aggcagcaag	gggcaggggc	tgaagccca
5221	gcttgttttc	tcagcaggga	gacttatagc	ctagcgcaaa	atgtcagtc	tgctcactgg
5281	ctgctctggat	acaaacttgg	tttgggtggg	cacagttaga	gtgagactgg	cctagcctgg
5341	ctgcttggga	gctgggtgag	gccagtctgc	cagcttcccc	cacttccttg	gtgaccagta
5401	tgatgcacta	gagacagcca	taatccccct	gggaacataa	ctccagtggc	ctgggaacca
5461	tattttcatc	ccctacagtg	gtcacaaaaa	gctcagccca	aggagagtct	gagctcagac
5521	acacctaata	aatcctacct	gcacctgatg	gtctttctct	aactgccttg	tagcctaaga
5581	caggtactat	aaggccccac	ccatcacctg	agaaacctga	atacttacc	aggaacctg
5641	tggcaacctt	gtatcagcag	atgctctctt	gaaagtacca	tctcctggct	ggtggccagc
5701	cacctgtctg	cacaaccaat	attaaagaaa	accagcacac	taaaacaaa	tacaacaaa
5761	gaccgtcaca	gagtctgctt	cactccccct	ctacctccac	tggagcagct	gctgagatcc
5821	atggctgaga	gacctgaaga	cagatcatac	cacaagacgc	tttgaggca	cttcccagta
5881	ccagcttgga	gccccatagc	tctgtgtggg	agctagacac	agaagagcaa	cttcaatcac
5941	tgcagactgc	ctctcaggaa	gcataatccc	taggggaagg	aggagagcac	cacatcaagg
6001	gatcactcca	tggaaacaa	gaatctgaac	tgcagtgcct	gacctccaga	tgctctctct
6061	gacacagtct	acccaaatga	gaagaaacca	gaaaaacaat	tctggtaatg	tgataaagca
6121	aggttcttta	acacccccaa	aagatcatac	tcgctcccta	gcaatagatc	caaacaata
6181	aatctctgaa	ttgccagaaa	aataattcag	aaggttgatt	attacattac	tcaaggaggc
6241	accagagaaa	gatgaaaacc	aacttaaaga	atTTTTTTTT	aaaaatacag	gattttgatg
6301	aaaaaatctc	gagagaaata	gatagcataa	ataaaaaaca	atcacaactt	ccagaaatga
6361	aaggcatact	tagagaaatg	caaaatacat	tagaaagttt	taacaataga	atcgaacgag
6421	tagaagaact	tcagagctca	aaaacaaggc	ttttgaatta	acccaatcaa	agacaaagag
6481	aaaataaatt	aaaaaaaaaa	atgaacaaag	ccttgaagaa	gtttgggatt	atgttaaacy
6541	accacacata	agaataattg	gtgttctctg	ggaagaagag	aatctaaaa	gtttggaaaa
6601	atttgaggaa	ataatcaagg	ataacttccc	tggccttgct	agcaatctag	acatccaaat
6661	acaagaagtt	caaagagcac	ctggaaaatt	catcgcaaaa	agatcatcac	ctagccacac
6721	agtcattagg	ttatctaaag	tcaagacaaa	gcaaagaatc	ttaagagctg	tgaggccaaa
6781	gcatcaggca	acctatttta	aaaaaaccta	tcagattaac	agcagatttc	tcagcagaaa
6841	ccctacaagc	tagatgggac	tgaggtccta	tctttatcct	ccttaaataa	aacaattatc
6901	agccaagaat	tttagtatcc	agcaaaacta	agcttcataa	atgaaagaaa	gataaagtct
6961	ttttcagaca	aacaaatggc	gagagaaatc	cccactaaca	agccagcact	acaacaactg
7021	ctaaaaggag	ttctaaatct	tgaacaaaaa	actcaaaata	tatcaaaata	gaacctcctt
7081	aaagagataa	tctcccaggg	tctataaaac	acacacacac	acacacacac	acacacacac
7141	acacacccaa	agtattcagg	caacaactag	cacaatgaac	agaacagtac	ctcacatctc
7201	aatactaaca	ttgaatataa	atgacttcaa	tgctccactt	aaaagataca	gaacggcaga
7261	atgcataagc	attcaccaac	aaagtacctg	ctgtcctcaa	aagactcact	taacacataa
7321	ggattcacat	aagcttaggg	taaagaagta	gtaaaagata	ttccatgcaa	atggatacca
7381	aaagagagca	ggagtagcta	tctttatatc	agacaaaaca	gacttttaag	caacagcagt
7441	taaaaagaca	aagaaggcca	ttatgtaata	agaaatggac	tagtccaaca	ggaaaatatc
7501	acaatcctaa	atatatatgc	acctaacacc	agagctccca	aatttataag	acaattacta

FIGURE 4-C

7561	ctaggcctaa	gaaacgagat	agacggcaac	acacttatac	tcaaggctctt	caatacccca
7621	ctgacagcag	taaacagggtc	atcaagacag	aaagtcaaca	aagaaacaat	ggattttaaac
7681	tatacactgg	aacaaatgga	cttaatagat	atttacagaa	cattctaccc	aaaaactgca
7741	gaatatacat	tctattcatc	agctcatgga	acattttcca	agatagactg	tatgagaggc
7801	cacaaatcaa	gtctcaataa	atttaagaaa	acaaaaatta	tatcaagtac	tctctcagac
7861	cacagtcgaa	taaaattgga	agtcaactcc	aaaatgaacc	ctcaaaaacca	agcaaataga
7921	tggaatttaa	ataatctcct	cctgaatgat	tgttgggtca	acaatgaaat	aaagatgaaa
7981	attgaaaaat	tctttgaact	gaacaataat	agtgacacaa	tctatcaaaa	cctctaagat
8041	acagcaaaag	cagtgcctaac	aggaaagtta	atagcattaa	atgcctccat	caaaaagtct
8101	gaaagaacac	aaatacacaa	tctaaggtca	cacctcaagg	agctagagaa	ataaaaacaa
8161	acaaaaccta	aaccagcag	atgaagatca	ggccatttgg	tagaactaaa	tgaaaatata
8221	atcagaattg	atagaccatt	agtgaagtta	acaaagaaga	cagaagatcc	aaataaactg
8281	aattagaaac	aaaatgggag	atattacaac	caataccaca	gaaagacaaa	agatcattca
8341	aggctcgtat	gaacaccttt	atgtatacaa	accagaccta	gatgagacag	ataaattcct
8401	ggaatatatac	aactccctag	attaaaccag	gaagaaatag	aaactctgaa	aagaccaata
8461	acaagcaatg	agattgaaac	ggtaataaaa	gaattgtcaa	caacaaaaaa	agtccaggcc
8521	gggtatagtg	gctgatgcct	gtaatcccaa	cactttggga	ggctgaggca	gtgggattgc
8581	ctgggggtcag	gagttcaaaa	ccaggctggc	caacatggca	aaaccccgtc	tctactaaaa
8641	atacaaaatt	agccagaatt	ggtggcgcat	gcctgtaatc	ccagctactt	gggaggctga
8701	ggcaggagaa	tcacttgaac	ctgggagatg	gaggttacag	tgagctgaaa	tcgcaccatt
8761	gcactccagc	ctgggcaaca	agagcaaaac	cccgtctcaa	aaaggaagaa	aagaaaaaga
8821	aaaaaaaat	tccaggacca	gatggattca	cagctgaatt	ctatcagaca	tccaatttat
8881	ctatcagaaa	agagacaaat	tcttggaat	acacaacctt	cttagattaa	accaagaaga
8941	aatagaaact	ctaaatagac	caataataag	cagcaagatt	gaaaaggtaa	taaaagaatt
9001	gtcaacaaca	acaaaaaagt	ccaggaccag	atggattcac	agctgaattc	tatcagacat
9061	tcaagaagaa	attggtacca	atccaactga	aatgattcca	aaagacagag	aggagtcaat
9121	acgaagtca	ataaatgtga	aataccactg	aaacagaatt	aaaaccaaaa	aatcacatga
9181	tcagctcaat	agatgcagaa	aaagcatttg	ccaaaatccg	gcattgcttt	atgattaaaa
9241	ccctcagcaa	aatcggcata	gaaggagcat	aactcaaggt	aataaaagcc	atttatgact
9301	aaactacagc	cagcatcata	ctgaacaagg	aaaagttgaa	aagtttctcc	tgagaactga
9361	aagaggacaa	ggatgcccac	tttcaccact	tctattcaac	atagtactgg	aagtcctggc
9421	agagcaaatc	ggacaaagga	aagaaataaa	gggtatccaa	actagaaaag	aggaagtcaa
9481	actggttgctg	tttgccaatg	atatgatcat	atagctagaa	aaccctagac	tcatccaaaa
9541	agttcctaga	tctgataagt	gaattcagta	aactttcagg	atacaaaatc	aacgtacaca
9601	aatcaatagc	tctgctatac	accagcagcg	accaagctga	gaaacaaatc	aagaactcaa
9661	ctccttttac	aatagccaca	aataataata	ataatttggg	atatacctaa	ccaaagagat
9721	gagaaatcat	agacgacata	aacaaatgaa	aacacatccc	atgctcatgg	atgggtagaa
9781	ccagtattgt	gaaaaatgaca	tactgccaaa	agcaatctac	aaattcaatg	caattcccat
9841	caaaatacta	tcattcattct	tcaaagaact	agaaaaagca	atcctaaaat	tcattatgga
9901	accaaaaaag	ggcctgcata	gccaaaggga	agactaagca	aaaagaacaa	atctggaggc
9961	atcacattac	ctgacttcaa	actatactat	aaacatatag	ttacccaaaac	agcacagtac
10021	tgaaatgaac	ataggcacat	agaccattga	actgaataga	gcctagaagt	aaagccaaat
10081	acttacagcc	aactgatctt	caacaaagca	aacaaaaaca	ctaagtaggg	aagggacacc
10141	ctattcaaca	aatggtgctg	ggataaccag	taaggcacaa	gtagaaaaat	aaaactggat
10201	cctcatctgc	caccttatac	caaaatcaac	tcaagatgga	tcaaagactt	gaaactaaga
10261	cctgaagcca	tgaaaattct	aaaagataac	atcagaaaaa	cccttcacga	cattggctta
10321	ggcaaagact	tcatgaccaa	gaatccaaaa	gcaaacacaa	caaaaacaaa	atagatggga
10381	cctaattaaa	ctaaaaagct	tctgcacagc	caaagaaata	attggcagag	taaacaggca
10441	acggcagagt	aaacagacaa	cccagagtga	aagaaaatat	tcacaaactg	tctgtgcaac
10501	aatggaataa	tatccagaat	ctacatggaa	ctcaaacaaa	tcagcaagat	aaaacccaaac
10561	aatctcatca	aaaagtgggc	taaggacatg	aatagacaat	tctcaaaaaga	agatatacaa
10621	atggccaaga	agcacacaaa	aaaaatgctc	aacaataact	aatgataagg	aaaatgcaaa
10681	tcgaaaccac	aatgagatac	cacctcattc	ctgcaagaat	ggccataatc	aacaaatagt
10741	agatgttggc	ctagatgcag	tgaaaaggga	acaattttac	actaatgggtg	ggaatgtaaa
10801	ctagtacagc	cgctacagaa	aaccttagta	gagctaaaag	tagatctacc	atttgatcca
10861	gcaatccccc	tactgggtac	ctactcagaa	gaaaagtggg	tcatttatatg	aaaaagacac
10921	ttgcacacgt	acatttatag	cagcataatg	tgcaactgca	gaaatacgga	accaacccaa
10981	atgcctatta	atcaacaagt	agataatgtg	gtatacatgt	accatagaat	agtactcaac
11041	cataaaaagg	aatgaaataa	tggatggtat	ttgcagcaac	ctgcatggag	ttggagacca
11101	tatttctaata	aaagtaaccc	aggaatggaa	aaccaaacat	tgtatgttct	cacttataag
11161	tggggagctaa	gctatgagga	tgcaaaaggca	taagaatgat	acaatggact	ttgaggactc
11221	aggggggaagg	gtggggaggag	gagaggtata	aaagactaca	cggtgggtac	agtgttctact
11281	gttcagggtga	taggtgcacc	aaaatctcag	aaatcaccac	taaaataata	atctcttgta
11341	atatgggttg	gctttgtctc	cccacccaaa	tgtcaccttg	aattgtagct	gccataatcc

FIGURE 4-D

11401	ccacatgtca	tgggagggac	ctagtgggag	gtagttgaat	catgggggca	gttaccctca
11461	tgctgttctc	atgagagtga	gttctcacaa	gatctgatgg	ttttataagg	ggcttttccc
11521	cctcgcttgg	caattctcct	tgctgccacc	atgtgaaaaa	ggacatgttt	gcttccccctt
11581	ctgccataat	tgtaaagttt	ctgaggcacc	cccagcccca	cagaactgtg	agtcaattaa
11641	acctctttcc	tttcaaaatt	acccagtctt	gggcagttct	ttataggagt	atgagaaggg
11701	actaatacat	cctgtaatcc	cagctacttg	agaggctgag	gcacgagaat	tgcttgaacc
11761	cgggagggcag	aggctgcagt	gggctgatat	cgtgccactc	cagcctgggg	acagtgggag
11821	actctatctc	aatgaaagaa	aaaaaaaaat	tatctatgta	accaaacact	acttgttctc
11881	caaaacctat	tgaagtaaaa	aataaaatat	aacacaattt	tgtgtggtac	aaaacacttg
11941	gtaatgataa	taaacaacta	tgccactggc	ttatgtattt	actatacttt	tatccattac
12001	cttagagtgt	actcttacca	cttatataaa	aaaaaaaaaa	gttaactgtg	aaacagtctc
12061	aggcaggtcc	ctcagtaagt	attccagaag	aaaccaatgt	tattatagga	gatgacagct
12121	ccatgtgtgt	tactattccc	aaagacctta	cagtgggaca	agatgtggta	gtgcaagaca
12181	gtgataatga	tcctaattct	gtgtagccca	aggctgatgt	gctgtttgtg	tcttactttt
12241	taacaaaaaa	gtttttaaag	ttaaaaaaa	aatagaaaaa	agcttataga	ataaggaaat
12301	aaaatatatt	tgtacagcca	aacagtatgg	ttgaatttta	agtattacaa	aagagtccaa
12361	aagttaacaa	caacaacaaa	aggatataaa	gtgaaaatgt	tacagttaga	tgaggtttat
12421	tactgaagaa	agaaaaattc	tgtttatgaa	tttagtgtgg	cctaagtcta	cagtattttat
12481	aaagtctaca	gtagtgtaca	gtaatgtcct	aggctctcac	atttactcag	cacttactca
12541	ctgactcatc	caggaccact	tccagtcctg	aaagctccat	tcatggtaag	tgccctataa
12601	gggtaacatt	tatcttttat	gccacatttt	tattgtactt	tttctacatt	tagatacaca
12661	aatacaactg	tctacagtat	tcagcacaga	aacacgctgt	acaggtttga	agtacagaag
12721	caacagggta	tcatccctata	tagcctaggt	tcgtagtagg	ctatatcatc	ttatgacggt
12781	cataagacaa	aatagcttaa	tgactcattt	ctcagtaaca	catagctgta	atttgttaga
12841	gcagcaactg	aaaactaata	cagatgtccc	caacccccag	gacagggacc	gctactggca
12901	gtggcctggt	aggaatgggc	tcacacagca	ggaggtaagc	agcacgccag	tgagtgttac
12961	tgcttgagct	ctgcctcctg	ttagatcagc	agcagcatta	gattctctca	ggcacattga
13021	ccctattgtg	aaatgtgcat	gtgagaaaat	taggttgtgt	gctccttatg	aaaaactaat
13081	gccaaactccc	actgccacca	ccaatttttg	tggagaaaaa	attgtctttc	acaaaccagt
13141	ccttgggtgcc	aaaaaggatg	gggaccattg	taatacagga	agagatttct	tttatttttc
13201	cttattttgt	ttttccttat	tacttactgg	cttatgaaaa	ttctacagcc	actgtaaaga
13261	ttatcaccta	cactataaag	attatcaccg	cactgggcgc	agtggctcac	Rcctgtaatc
13321	ccagcacttt	gggaggccta	ggtgggcgga	tcacgaggtc	aggagatcga	gaccactctg
13381	gctaacacag	tgaaacccca	tctctatgaa	aaatacaaaa	aattagccag	gcgtgggtggc
13441	gggcacctat	agtccaagtt	actcgggagg	ctgaggcagg	agaatggcgt	gaacctggga
13501	ggtggagctt	gcagtgagct	gagggtcacgc	cactgcactc	cagcctgggt	gacagagcga
13561	gactccaact	caaaaagatt	atcacctaca	ctaaaaaaat	acctaggctt	tatgtatgcc
13621	tcttttaagg	tcacatgctt	aggacaacaa	actactcaat	ctgattgaag	aatcaagaaa
13681	agcaaaaagc	taaatcccta	ttcccctcaa	aatcatatgt	taaacaaagc	tcaagactaa
13741	gaaagtaaaa	gaggataaat	ctctcaatca	tgctggcttt	catattcaaa	catgccaaat
13801	ttcatacttt	atacataggt	agcacacact	ggcagtgacc	tggttttttg	agcaactaaa
13861	ataaacagca	taaggccttc	aaacttttag	attcagccat	tgttagaaat	tagtttgtct
13921	cctgaaaaat	cacactctgg	aatcttaacc	cccccaatgt	gatgggatca	ggaggtgggg
13981	aatttgggac	gtaattaggt	cctgagtgca	gagccttcag	gaatgggact	agtgccctta
14041	taagagacac	agatcaaagt	ctatggtatt	cttattatag	cagcccaatc	tgactaagac
14101	atccatcaag	aatgttttgc	ctcagataat	tatttctcct	ccttattttt	tattactact
14161	ttgtacaatg	atcataatat	accagaataa	caataacagc	tagcacttat	atagacttta
14221	ctctatacca	agcagtatta	tgagaacttt	attcttattc	acttaatgta	tatgccact
14281	aatgagacag	cgactacttt	agtagctttt	tatggatgaa	gaaactgagg	cacagagagg
14341	ttaagtaatt	ttccaaggtc	acaatgtaaa	tggcaaaggg	ggggagtttg	aactcaggca
14401	tttagattac	agaattcatt	ccctaatac	tgtgatatac	tgccctcccta	aatggggaaa
14461	aaagcccccc	gaaatgtttc	aaaggYattt	ttataactta	ataagacaaa	aaaagtattt
14521	acatccaaaa	ataatttgcc	ttaatcaaaa	agacaaaaaa	gtaataactaa	aaagtatata
14581	tttctagtgt	ttttttctca	tctattcaat	ttggttctct	aagcacacct	ctcctcattt
14641	ctgtaaacad	tttaattaga	aagcttttga	aacatacaaa	aatagaatga	Wgaactctca
14701	tgaatactta	atgctaacca	cctgcccagg	ccagagtcta	ctatcctcac	tccatcttat
14761	ttcaaaaata	atgccagta	tcataattca	tctgcaaata	tttcagtatg	tactgaaaga
14821	tcagggtgctt	ctaaaaaaca	taaccgcaat	actgttatca	cacctaaaaa	ataaatattt
14881	aataccaaat	atctagttaa	tagtcaaatt	tccaatcatc	agttaaacat	atcttcaagg
14941	atttctttga	atcaggatcc	aggttagcac	cacatacagt	gattgggtga	tctgtttctt
15001	aaattttctca	atcaatatta	gcggttctca	atcaaggtga	ttttgcctct	cagggacaa
15061	ggacaatttc	tgaagacata	tttgattttg	tcacaactac	agtgggtgcta	gtggaactca
15121	atgagtagag	gccaggtaag	cttctactta	cagggcctta	cctacaggac	ggccccact
15181	acaacaaaga	agtatcta	caaaaatgtt	actagtcca	tggttgagaa	acctgtattc

FIGURE 4-E

15241	cctaggttttc	acctggttct	tttttatttc	ttacatttaa	tttattgaaa	acattaagca
15301	gtttgtcata	aaaatcttca	tgcaggtgga	ttttgctgac	tacatcccca	ggtatcattt
15361	gaaagatttc	accacacttt	atctcttgta	aactggtagt	taaatctaga	gacttgatca
15421	gattcaggtt	ttgtatttgc	ttttaggttt	tttttttttt	ttttcttttt	taaggcatgg
15481	ggttggcaag	actacttctt	ggatagtgtt	gtatttttct	atcaggaggc	acataatgct
15541	tggttgtatt	Sttttttagt	atctgtcagc	cactgagcct	tgatgcctag	atcccaatag
15601	cttatcaggg	attgcaaagt	gtagtatttt	aactccaaca	ttccttcttc	actcattagc
15661	tggaaatatta	ttctaataag	aacaaaactca	tctattattt	gattacctaa	tagcacagtt
15721	tatatagaaa	aggcagaatc	agttgttaaa	gtgagttggc	ttcctagaat	cctccaacag
15781	taacaaattt	ttgttgtagt	agtagtagta	gtagtcttag	aaattcatgg	atttagatat
15841	aattgatata	tatcaatcta	ctgaagttat	tottgttaat	actcaagttt	catatcctta
15901	gccagccagt	ggtagcatct	tcaagttgga	acctgaaaca	tgaccaatc	ttaatggttt
15961	ctgatttagta	gtttgctatc	gattccaagc	tcagtttcag	gcctagaatc	aggcattcct
16021	ccaaggaact	ggttctttta	agtaggttgc	tgtcaccttt	ttgttttttt	agctctgaaa
16081	catttgtcta	attttaaaaa	tattctcaac	catttttcat	tgggtttttt	ctctctcctg
16141	aaattcttat	tatttgtatt	taggcatgct	tttctctctt	ctctacatta	tttaacttta
16201	atattttcta	ctttttaatt	tccttcttgt	ctcctgggaa	gttctacaac	cagctctcat
16261	aattaatatg	taaattcttc	tgtagtttga	ttttaataaa	cctactactc	ttctctttta
16321	aatattctct	agcagtgttt	gaaagagagt	taatggccta	tgctggttct	ccatcttgct
16381	ctgtttatta	tctttttcaa	aagcatatat	ttgtaagtgt	gcttcatggt	ttaaaatgta
16441	aaaatacgag	tcttattaaa	aaaaacttca	gctttaattt	tcattttattt	tcattataaaa
16501	aagtttaaagg	taatatatag	agaaataaaa	atcaactaaa	ataactacat	ataacacagag
16561	taaaacatgt	attctcttca	agattttatt	tacattttta	aattctagtt	agaaaaatag
16621	atactatata	caaagaactt	ttatcttgca	tatttgctta	aacattttatc	ccaagggctc
16681	tcatatatgg	ctgttcttca	aaataaaatg	ctcaaaactaa	ttttaatgtg	cttagtgcag
16741	tacctggaac	acataagttc	tgtataactg	tttattatat	cacagaatgg	tttatcccat
16801	tactaagtca	aaattaaaa	ataaccattt	tcttctgtga	gcacattgta	gtggtttcta
16861	attctgcaat	taccatcaat	gattcaataa	ataactacat	atgttcagca	ccctcactc
16921	tgaacttcca	aattacttcc	ctgggaaaaa	tttctagaaa	tgagtccacag	gttacagggt
16981	atgaatactt	ttctaataat	ttccattaac	tcagtaacta	taaagtgtca	tttggaattta
17041	aatgtgtatt	cctttgaata	ttagccagat	tacacacttt	taaacatctg	ttactcaaat
17101	ttccttttgt	ataataaagg	cattacagtt	taataggtaa	ctgctattac	ttcagtgtag
17161	ataaattcatg	tttatcttca	ttattagtta	ctttattatt	atacagggac	catctattgct
17221	tttaaaatgt	gttattttca	ctcataataa	taactggagg	cctataacat	tttcagtttg
17281	aattaatgaa	tattgttaaa	ttattttaaa	tcatgattct	aactatactg	atgtagtaat
17341	aatctttgac	tttcatatgt	atcttttctt	tgccttgccct	aaatttgccc	ttctttgtta
17401	atataaactc	aagagtcttc	acaatttttc	cctccttttt	gaattttactt	taagtttgtt
17461	ggcaaagaga	atcattctga	ctgtgatact	ttagtagcac	aatttcagac	ttctgaaatg
17521	tcagatactg	aaagatgttc	cttagctata	ttttttaact	gctgggtataa	tgttaaatat
17581	tcttaaaatt	tgggtccttt	caaattctat	attctacaat	tttcaaactc	agactacaaa
17641	tatttttttat	atatataaaa	tattcctgtt	atacatacac	acacacacac	acacacacac
17701	aYacacacat	ataaaacaga	ccaatgttgc	agaggtgtat	gtctctaaat	gggggtgggg
17761	gtggaagaaa	ggagataaag	agaaagaaag	agaagataga	aactgactca	ccttgaatct
17821	cattacaact	tcagccagta	atattgttac	atataatagt	atattatttta	gYacttactg
17881	aagcaactag	cttagtcctg	agtctatgtc	taaatagtta	agtagttttt	ttataatctc
17941	actcatttta	tttacttttt	tctcaggtta	ctgtttttatt	gatataataa	aattttacat
18001	ggtacatgtc	acattttaat	acctgtatgc	aatgcataat	gatcaaatca	gggtaactgg
18061	gatgtaagtg	atttttgaag	aagtccttta	acctatttct	ctactgcatt	atcatagaaa
18121	tgtggaatta	gatttaaatct	ctataatccc	ccccagcact	aaaattctaa	tgatttgttt
18181	gcaaacctat	attttaagatg	tttttaagta	aagaacattc	cttaaatttc	tgaatctcaa
18241	aatacagtg	tatgcagaga	acagatatgt	tcaaataact	gttggctggg	tgactctaaa
18301	cagattttac	aaataaaaac	ctttctctgt	gtgggtgtagt	aatcgaattt	catttctgag
18361	aaaacagcat	tttaatgtct	catcaaatcc	aataaatcag	agttctacca	agagtgaaac
18421	ataaatatat	aaaaaaaagta	ctcaccaata	tatcctggcc	aacatgctgc	tttccctttt
18481	cttcttgtgg	tcctaatatc	aatttcccag	tagaaaaaaa	gggtgtatcc	aatgtcttgt
18541	ataccttcaa	ctcaccatgc	ttaacaaaaa	attgatatgt	atcttgtggc	cttacaagat
18601	ctaggagtaa	aacagtaata	caaatataaa	acaacagcag	tattggttaa	tgatataaca
18661	tatacacata	tatataataa	agagtcattt	ctggatataa	atctgcctta	gagagttggt
18721	tcagagcatt	aactctggag	ctagaatgcc	agaggtcaaa	tcctgtctct	gtcttaaaag
18781	ctgcatgacc	ttaggcaagt	tacttaagct	ctctctcact	gtgcctcaat	ttccttttctg
18841	ataaaaattaa	ataataataa	gttcatctat	tcgatattaa	tgagctgctg	tgaatatcaa
18901	cgagtttaagt	tgtgtaaac	attttaaaat	ttgtctggca	aaaagtacgc	actgttagca
18961	ccagctgaat	aacaaaaatg	cagtattata	ggaactgaga	cagaaaaatg	aattagctga
19021	gataaaaaaa	agaattctct	atttttaaag	tttaacataa	accacaaatg	tatcatcacc

FIGURE 4-F

19081	atgccaatag	atTTTTTTTtC	ctgcttgact	aataatTTTT	attaggtaaa	gtttgtgaga
19141	aagcagagtt	ctaattggttg	ttcataaaatt	actacctcac	ttacaaaaat	ttccattact
19201	taacaaactt	ttccagatct	ataattaata	aattattctg	tcatcaatgt	ctgattctgt
19261	ttcccaggat	atTTgggaat	gttagtgatc	ctacagacta	catgatatag	aaataaatat
19321	atatatatat	atatatatat	atatatatat	atatatagaa	atatatagaa	atatatatat
19381	agaaatatat	atatagtaga	ttcaagaaac	aaataagaaa	tgaacttttg	acaacactca
19441	caataacctg	gtagagtaca	gcaatgcTtt	cagTTaagac	actaaacaaa	actccatact
19501	tctaagctct	gttaccaaaat	aaataatctg	catatagaga	tacctttgct	aagggtgtaa
19561	gatattaaat	gaaatctatt	ttcatggYca	aaatTTtaag	taggagtacc	attattacta
19621	cctttctttt	tttaggaatt	aactaactag	ttttattatt	attattattg	agacagggtc
19681	tggtctctgca	cacccaggct	gaagtgcagt	ggcatgatct	cggctcactg	caatctccac
19741	ctccagact	caagcaattc	tcctgtccca	gcctcccaag	cagctgggac	tacaagcacc
19801	caccaccacg	cccagctacc	attaccgcgt	ttctgatttg	acctacttct	ctctcgatat
19861	aggacaaaca	gcccttagta	ctcaatggta	cagtcataac	agttgttaaW	atatttaa at
19921	atttcatata	tatatatata	tatatatata	tatatatata	gagagagaga	gagagagaga
19981	gagagagaga	gagagagaga	gagagMgcct	ggttggttaa	cagttgcgta	atccataaac
20041	tcctatccca	ctatagccca	tcccttgggg	atcttacctg	acctgctaga	gactaaatat
20101	ttaatccaat	acagcaggag	gcttccaggga	cTTtgCagca	ccagctttaa	ggttaaacct
20161	ggcatctgta	caactgattg	atgcccttgc	tagtcatcct	cacaaaggat	tcatatccca
20221	ggtaacatta	ctgccatctg	taggcccaaga	agtttgtctg	tgccctaccc	acaatccctg
20281	cctggcttca	tgataagcgt	atcccttgagt	ctgccaaacta	tctatctaca	attccccata
20341	aacagcctct	gttcccatgt	gtcctctctg	tcaaagaagg	cctagaccct	gttgggggag
20401	acgacattcc	tgattgtagc	actacttctg	ccccagagga	caagtccggg	gtgttaagtg
20461	ttccctggag	ctgtctgata	tcaatattcc	cccacagttg	tcttcacata	ggttgctcgt
20521	tggaattaga	ctcttctgga	ctttagcact	gatagaattg	gggagagaaa	gggaRagtag
20581	acaggccaat	catcaagcaa	gcaatatTTt	cttacaaatt	gtttaattaa	gtattttcag
20641	tacatgcct	gatcttacc	atgagaataa	tctctcttgt	ttctgggtcc	ttaccctcg
20701	ttggctgcaa	aggatctcca	agaggtatac	ctagatttac	cattaagtta	gtctctgcaa
20761	aagaaatacc	attgaaatcc	aaactactta	cttaaaatta	ttctcaatcc	caaaaagttc
20821	agtacaaaat	atagctatag	agaagttata	aaactgtcaa	acgcaaagaa	gtctcttcc
20881	atTTtataaat	cactctgata	aacaaaaatt	caaacttaaa	aacccataat	gattttaatat
20941	aaaagcaaac	accctaaact	tcctattttc	tgtaagcctt	aacatgtaaa	ctttgcattt
21001	atcaagggtat	taagtgatgt	tttgcataat	ctctaagtga	gatagaggta	tataaaacac
21061	tttagaaatg	tctatgttaa	ccatagcttg	gRcataggaa	tggtggggtt	catttgactg
21121	ggaaatTTac	tcatgaagaa	atTTtataata	tgctattaat	aatTTTTtaa	gaataaaatt
21181	agcttacttt	ccattttgga	gaaagtagac	attaaaaaat	gaattttacc	tatggtatta
21241	ttcttgaagt	ttttggaagt	aaatttctata	ttttgcaaag	agcttcttct	caaagctactc
21301	ctattttaaaa	taaaatctaa	aagttacttt	cagaaataag	ttcatacttc	tttcatcggt
21361	atcaagacag	atccttttct	tattagattt	tttggtgact	tttccaatat	tttcttttgc
21421	cttccctttta	gacgatattg	tgtctggaga	tagtactcca	ctaatacaga	atcctcctga
21481	aatTTtaacaa	aaaaagtaaa	atatacatgg	gaaagacaaa	atcttgaaac	aaaactcctt
21541	aaattttaata	tggcacattt	cctttcaaag	taccaaagaa	tatatgtctg	cagctaactag
21601	ttaaaataaac	acaaatacca	accaatttca	ttatatctct	accaccctaa	atcagaggct
21661	gataaaacag	gattagatga	tgaacatga	ttagatggtc	ctattgctcc	cctgaaatca
21721	acagtcacat	gtggaggctt	ttaaaaaaa	aaaaaaaagg	agggggctag	caatgaacta
21781	tttatagaaa	tccacatgag	tttagtcctt	tgacttagat	atatccatca	aagaaagaaa
21841	tatggccagg	cacagtggct	cacacctgta	atctcagcac	tttgagatgc	caaagcggga
21901	ggactgcttg	agcccataag	atgagaccag	cctggacaac	atagcaaggc	ctcatctcta
21961	caaaaataag	aaagaaaata	actctacgat	taacactaca	ctttcttgcc	caccctacac
22021	tactttgtag	aaaactatga	gaaaatggaa	aatggttaat	aggaaaaata	atgaaaacta
22081	ctttaccttt	accagttaca	atTTtctcac	gttctaactc	aacgctttat	attatgcaat
22141	tggaatctt	gtcagatgat	acaggaataa	caacattcag	ctaccaaaga	gaaaatatca
22201	gcactctctac	attaatcaga	caaaaatgaa	tttaaatcct	attatcaaaa	tttggggggg
22261	tgatgattaa	gtaaggtaat	gtatataaac	atgtagtgca	gtgtctggca	catagtaa ac
22321	aaatTTTTta	ttgacagata	ttataacata	aataagtttt	acctgatggc	cttccctgat
22381	aatctattcg	ctctcctcgc	cagtaactcca	aaggTTtcaa	acgtgttctc	ttggtcctgc
22441	gaacattttg	tgtgttgagg	ggcaactacta	taaaaagatg	tcagacaaaa	gtgtatacat
22501	agTTTTtagt	tgatgggtact	tagcagtggga	aagactgtct	tttagaacat	gaaagcttta
22561	TTTTttagaa	catgaatatt	tttctagaca	aaagactaga	aaaaacaaat	atTTtatgcta
22621	acaattaaag	aaaagccaat	ggaaaaacag	gctaccaa at	tggcaaatat	ttaaaaacct
22681	aataatactc	agcgTTgaca	atgTTtaaatg	tacactcatc	ttatctgaac	aatgcaaagt
22741	ctgtataact	aaattgagtt	tgttggtcta	tcttcaaatt	cccatgttct	tacctatttt
22801	ttgttttgcta	aagctatgct	gaagctaacR	agaagttgcc	tactgctctt	aggcataatg
22861	ctcaatgttc	ccctctgtaa	atactgaagc	cctgctcagg	aacatTTTTa	tttccctttc

FIGURE 4-G

22921	cctactcctg	attcatcatt	tcaccccaag	acaagcatta	agtattgaga	ggtatagcag
22981	tctctcatca	cataggccca	caaaatactg	acaatatcta	agttctggag	taaggcaatg
23041	agagaaagct	tcactcctat	tggtaatctg	agtatgagtg	aaagagcact	cacagcctca
23101	aataaaagga	gaaacatgga	aagccaccca	acatcacaga	aaggtgggaa	ctatcatgta
23161	tcttgactgg	caaatatctc	tttggaacc	atggattgtt	aatctttaca	tgggcctctc
23221	catgggttcc	acagttctta	gctttgtcta	cttactatcc	tagctactgc	tttgtttagg
23281	agtcaactgg	attaaagtgg	aaggagatgc	tgtcaaggaa	gccatctacc	tggtagttac
23341	agtttctttg	acaaaattct	ccaccctagc	ttcatagcta	agggaggatc	atgcccccta
23401	ctatggggca	aaaagtgaga	gggcaatagg	atttataaat	ggacaataga	ctaaYtcaag
23461	tggcttgtgg	tgacttacta	tgaaattcat	aaaaactaag	tgcataattt	taatttatct
23521	gccaattaat	ccacataatc	gtattttctc	tgcttaagaa	gaaataagtt	atatttagaa
23581	acagaaactt	aaggtatttt	tctcaatgaa	aatatttaaa	aagaaaaata	ttcttaccta
23641	gttttgtgatg	gattctgttc	tttggtatca	ctttagattg	ttttgagtca	tctacaaaat
23701	gcaaaagata	atatcRtaag	aatgactgc	taattccatg	ttaaattaaa	atgtgtttcc
23761	tgggtcaattt	cagtatgagt	attttaata	aagtttgacc	tgataatgta	ttttattact
23821	ccttttgctt	ttcattgctc	aactataaaa	actaaggaaa	agaactattt	ctctagactt
23881	tgctacaatK	aatacattgc	aagtttgc	aatccacctt	attttgtggt	tgttctgttt
23941	tgttttgttt	tagaccttta	gcagcctgaa	accatgcttt	ttagtttctg	tctctggcga
24001	Yaagtggaaa	agagggatga	ggaaggggtt	ttattggacc	aaccagaaac	agaaactaag
24061	aactcatgac	tgtattcgct	cccttgga	cccctgggtt	ttattctaaa	cagtgttaaca
24121	gttaaaacaa	acaaacaaac	aaaaaaacaa	acagattttc	tattgctcat	ggaaagatga
24181	aataagccac	ttgtggataa	aaatgtagg	cctgataatg	gataattaat	atgctattta
24241	tgaactatct	gtaactttct	ctttaaagt	ctaaaatagt	gtaagtgtac	tgaatttagc
24301	agtgtgccaa	taagctcagg	ggttctcaac	tttggttaact	agcacctaaa	gatggctgtc
24361	atcccttctt	tgcttttcta	tgacacaaatg	ttctgtatca	agaagcagag	tctcggtccc
24421	ttctccttca	atctctgctg	gagttatgta	cttgcttaac	taatagtatg	caacagaaat
24481	gatgttctgg	ggcttaaaag	gctaagtcct	aatacaatct	acaggttcca	tctagaagtc
24541	ttgggatctc	actctagggg	aagacagcaa	caatatgaag	attaacacaa	gactgccatg
24601	ctgtgaggaa	acctcatgtg	gccacatgga	aaagccacat	ggaggaaaag	agatgcttgg
24661	ccaacctcaa	tgtcccagtt	cttccagctg	ggtccaaaca	tgtaagttag	gaagttacct
24721	cgaatgtcca	acccatttga	actttcagat	gactccagcc	ccagcagctt	gcatttaact
24781	atataaattc	atgagtgtac	tcaagtgcca	attaccaaac	taagccaagt	caattctatg
24841	aaccatgaaa	gataaatcaa	tcactgtatt	aagcctttta	gttttgggg	ggttggttac
24901	gcagcaatat	acaactggga	cacaatgtcc	atgaaccacc	taaaactgca	aatacaattt
24961	tgtatgaaat	atataccttt	tttccctaaa	aagcRggtct	gagcttttat	catattctca
25021	aatgagtcca	tgaaagcaaa	caaacaaaaa	ttgttaagaa	tgattgaatt	agatatttta
25081	taaaattgct	ggtttgggaag	aaacttcagt	gatcataaca	tctaattttc	ctgtcagaaa
25141	caggcaaatc	tctagacatc	agaagtagat	tagtaattgg	gtaggcccag	ggaaaggaaa
25201	tgaaagtcgg	ctactaaagg	gtaaaggggt	ttctttttgg	gggttatgaa	aaggttctaa
25261	catcgattgt	gtcaatgact	acatatcatt	gatttgtaca	ctctaagtgg	attaattata
25321	tggtatgtga	agtctagctt	aataaatctg	tgtaccccc	accccccccc	cacccccacc
25381	cccaaaaatt	caatttcccta	ctcagcttcc	cctagaacaa	gtagaggtct	catctcgtt
25441	ggaaattctc	ctgtgacact	gggcctcgga	ggcagtgctc	gagtgatata	aggaacccaa
25501	gaaacaagta	aatatactga	ggataatggg	agtcaggttt	ctcactattt	gagaagaact
25561	tgtataaaat	acaggcggcc	aggcgagctg	gctcacaaat	gtaatcccag	cactttggga
25621	ggctgaggca	ggtagatcag	gaggtcagga	gttcgagacc	agccttacca	acatggtgaa
25681	accccattct	tactaaaaac	acaaaaatta	gccgggcag	gtggcacacg	cctgtaatct
25741	cagctactca	ggaggttgag	gcaggagaat	cgcttgaacc	cagaaggcgg	aggttgcagt
25801	gagccgagat	cacaccattg	cactccactc	tgggcgacag	agggacactc	cgtcttaaaa
25861	aaaaatttta	aaataaataa	ataaaaaatac	aggcatacct	cagagatatt	gccagttcag
25921	ttccagacta	ctgcagtaaa	acagatactg	caataaaagaa	gtcaaacagt	tttttagttt
25981	cctgggtgaat	ataaaagtta	tttcttttgc	tgttttgttt	tggttttttg	agactaagtc
26041	tcactctgtc	acccaggctg	cagtgacgtg	gtgggatcaa	gactcactgt	ggcctcaact
26101	tcctggcagc	aaatgatcct	ccgcctcag	ccgcgcgagt	agccggaacc	agagatgcac
26161	accaccacgc	tcagctaat	tttgtatttt	ttgtagaaac	aggtttctgg	catgctggcc
26221	aggtcgggtc	caaactcctg	ggctcaagtg	accggcctcg	cctcccaaac	tggtgggtgg
26281	ctcccaaggt	gagccaccat	accagcccaa	aagttatgtc	tatactatac	tatagctcat
26341	taaatgtgca	agagcattat	gtctaaaaaa	atcagtgtag	atatacctta	atttaaaaaat
26401	attttattgc	taaaaatgct	aaagatcagc	caggcatagt	ggctcatgcc	tgtaatccca
26461	agactttggg	aggccagga	gggtggatca	cttgaggcca	ggagtttgag	acaagcccga
26521	ccaacatggc	gaaaccccat	ctctactaaa	aattaaaaaa	attagctggg	tgtggtgggtg
26581	tacactttgt	aatcccagct	actctgtgtg	gctgcggcaa	gagaatcgct	gaacccaggg
26641	aggtaaaagg	tttcagtgag	ccgagatcac	accactgcac	tccagcctgg	gtatttagagc
26701	aagcctctgt	ctcattctca	aaaaataaaa	ataataaaat	ataaaaaatgc	ttatcatctg

FIGURE 4-H

26761	agcttttcagt	gagtttttaat	ctttttgctg	ataggggtatt	ttgccttatt	gttgatgact
26821	gctgactgat	caggctgggg	tgtctgtggc	agtttcttaa	aataagtcaa	caatgaagtt
26881	tccctggaga	atataaaatg	ctgttgtata	gcattttact	cacagcagaa	cttctttcaa
26941	aaccgcaatc	aatcctctca	aactctgtcg	ctgctttacc	aactaagttc	atggaatatc
27001	ctaaatcctt	ttttgtcatt	tcaaggggtc	acaacatatt	caccaggagt	agattccaac
27061	tcaagaaatc	agttccttcg	ttcttccata	agaagcaact	cctcatctgt	tcaaattttg
27121	tcatgaaatt	gcagcaattc	agtttcatct	ccagactcca	cttctaattc	tagttccctg
27181	gctattttcca	ccacatccag	ttacttcctc	cattgaagtc	ttgaaccctt	caaaatcacc
27241	cataaggggtt	ggaatcaact	tcttccaagc	tcctgttaat	aYtgatattt	tgacctcttc
27301	ccatgaaaca	caaatagttt	taatggcatc	tagaatgggtg	aatcctttcc	agaaggttta
27361	tttactttgt	ccagtccecat	cagaggaatc	actacttgtg	gcagctactg	ccttacaaaa
27421	tttattttctt	aaataataag	acttaaaagt	ccaaattatt	ccttgatcca	tgcatgagct
27481	gcagaatgaa	tgctctctta	gtaggcatga	aagcaacatt	aatctcctca	tctttgtcca
27541	ttagagctgc	tgggtggcct	ggtgcattgc	catggatgtg	ctgtcaccca	ggctttgttg
27601	ttctactaat	agagcaaagt	agatttagca	taattcttaa	ggactctagg	atttctggaa
27661	tggtaaatga	gcactagctt	caacttaaa	tcaccagctg	tattagccct	taacaagaga
27721	gtcacagcct	gaccttggaa	gctttgaagt	catgcattga	cttctcctca	gctatgaaYg
27781	tcctagatga	catcttcttt	caatgaagg	ctattttgtc	tacagggaaa	atctgttgtt
27841	tagtaaagac	accttcaatt	atctcagcta	gattttctgg	ataacttgct	gcaacatcag
27901	accttgctgc	ttcaccttgc	tcttttatgt	tatggaaaca	gcttctttcc	ttaaacctca
27961	tgaaccagcc	tctgctagct	tcaaactttt	cttctgctgc	ttcctcacct	ctcagcctcc
28021	acagaattaa	agagagttag	ggccttcttc	tggattaggc	tttggcttaa	aggaatctg
28081	tggcttgttt	aatcctctgt	ccagaccact	gaaacctcta	tatcagcagt	aaggcagttt
28141	ccctttctta	tcattcatgt	gttactgtga	gtagcacttt	tcttttctct	caagaacttt
28201	tcctttgcat	tcacaaaattg	gctgtttggt	gcccagggcc	tagcttctgg	actatctcgg
28261	tttctgacat	gccttcctca	ctaagcttaa	tcatttctag	cttttgattt	aaagtgaana
28321	atgtgtgact	cttcttttta	cttgaacact	tagaagccat	cgtagggtta	ttattggcct
28381	aatttcaata	ttgtgtctca	ggaaataggg	aagcctgaag	agaggggaga	agatggggaa
28441	ctggccagtc	agcagagcag	tcagagcaca	tgaattttca	ctttcttaag	tagctgtggg
28501	ttgcggtgcc	ccaaaacaat	tacaatagta	atgtcaaaga	tcacctgatc	acaaatcacc
28561	ataaaagaca	tagtaatgaa	aaagtttgat	atactgtgaa	aattaccaa	atgtgacaca
28621	gagacacaag	gtgagcacat	gctaactgaa	aaaaaaatgg	tgccaataag	gcttactcaa
28681	caaagggttg	ccacaaacct	tcaatttgtg	aaaaatgcag	tatctccaaa	atgcagtgac
28741	acaaagcaca	ataaaacaag	gtatgcctgt	ataaatataa	atatagaaat	agatatagat
28801	gcctgtattg	tatatggtgt	gtacatatgt	gtatgtgtgt	gtgtatatat	atatctattt
28861	cctatctctg	tacactgaga	aagactagaa	gcaatgggat	cccaaacaag	gatcacgtca
28921	agtgcccaaa	tcttggtttc	taaatgccat	cttccactaa	aaagaaccag	gtttcttggg
28981	gcagtaattg	atcccagagc	tggggcagga	aaaagactgg	aacatcttat	gccccaaaa
29041	aaagacagta	ttcacagaat	catgacaaaa	gcacacagag	accagctgaa	agaaaatcSa
29101	gtgaccaaat	ctatcacaa	tcaagtatca	taataaatgg	tcaagatttt	acaacccccat
29161	ggcataaaa	agtagtagtc	catactgata	taaataaaaa	gaatcatgaa	taaaaataat
29221	ggcatgcggg	agaaaaactg	gcaactaatt	aatgcggaag	gaattaaaga	aacagaaaat
29281	agaaaaata	gtggtaccat	cattagtggc	tgataattca	agtgggagtc	ttgaatgtat
29341	gttaaggttg	gtgaatggag	gtttgacaag	aaacaggcta	ttaagagtat	cagaatatca
29401	ctccacaata	atatttatca	attataagag	aaaagcagtg	tctttacagt	agagaaacct
29461	ggcagacaat	aacatgaaca	ggtaatcagg	attgatatca	tgtcagcagg	gcattggtggc
29521	tcacacctgt	aatcccagcg	ctttgggaga	ctgaggtgtg	cagatcactt	gaggtccaga
29581	gtttgagacc	agcctggcca	acaaggtgaa	agcctgtctc	tactaaaaat	acaaaaatta
29641	gcccagcatg	gtagcatgtg	cctgtaatca	cagctactca	ggaggctgag	gcattgagaat
29701	tgcttgaacc	tgggaggtgg	aggttacaat	gagctgagat	cacacaactg	cactccagcc
29761	tgggtgagag	agcaagactc	catctcaaac	aaacaaaaca	acaaaaaaca	aaagcatcat
29821	gtagatgggt	gaacgttgtg	tgcctcctgt	gtgatgcaca	aattacatcc	cctaactcct
29881	aacctatag	catcatttct	gtagtattcc	tgtcaaata	gaatggcaca	catttgatca
29941	tgagttaagt	taggaaaaaa	actaagaaac	tgttccatgt	tgaaggaaac	taaggacat
30001	ggcagctaaa	tgcagtcgac	gatccaggac	tggatcttga	accaggagga	agaagaaact
30061	ctgagatcca	ggactggatc	ctgagctaga	agggaaaagg	aactgctagt	gaaatctgaa
30121	tggagtctgt	gaatgaacct	gtgttgtatt	aatgctgatt	tccttatttg	tatggttcga
30181	gggtagtatt	atccttgtct	tgctgaaata	cattatgggg	catttaaggg	aaataatata
30241	tcattgtctac	aattccctct	caaatagttc	agaaaaaaga	tgtatgataa	tagacgtgta
30301	tttattagag	gaggcagggg	gggagatgga	aaaatgttgt	aaaatgtgga	caattgtgaa
30361	atctttgatg	aggggatatg	ggatctctgt	ataagactga	aattatttca	aaataaaatta
30421	tttttttaagt	gactaacaca	agggacaact	cctaaatttc	aaagattaaa	ggatccatgt
30481	aagtatggag	atggaagaaa	acaggttatc	tacaaaggaa	agaagaaata	aggctgcctt
30541	caaatttcta	ttcataagca	ttaactctca	tgaagcaaaa	tagcaatacg	gtgatagttt

FIGURE 4-I

30601	aaagaaaaaa	agatcatgac	tcaagattat	gttctctatt	tagctggtgg	ttcatttgtt
30661	ttaaaaagaa	aaaaaaaatc	ctgagtcctt	gctagaatat	gtgagaatgt	ctaccaactt
30721	tacaaagaag	taacaagtat	atctgttgac	aataagtgt	tatatattaa	acaattttatt
30781	aaaggaaaaa	gtactgacac	agcgagtcaa	aaacaattca	atcatatgct	gtttcttagc
30841	cactttttaat	tctctaataa	aagttaaata	aaaagataaa	gaaacaacaa	ccaacccaaa
30901	gaaagcagaa	gtcacataac	taatattaga	caaaaacaaac	tacaaagtaa	aaagcattta
30961	acacaacgaa	gcagataaat	ttgaccaaag	caggtacact	ccatatgaag	gcttatgtga
31021	tcagtaacag	cactgaaatg	tacataacaa	agactacaga	aaatacaagg	gcaaagacag
31081	ttgcagtggg	aacactttac	ttcaactcta	gcagtcctta	atagatctca	aataaaaaaga
31141	atacataggt	tgagaacatc	aagcttagta	tgtccaaatc	taacRtcctg	ttcttttcct
31201	caaaatctgc	ttcttcccca	gtagtcccca	gatcaggtag	taatattgcc	attcttccag
31261	gagctcgggc	caaaaacctt	caagttctct	ctaacgcctc	tctttttctt	atacaccacg
31321	tatcgtccat	cagaaaaatcc	tgttgacttt	accctcaaaa	atacctaaaa	atcctcctcc
31381	tgctttccac	tttctactgc	taccacattg	gtctaagcca	acacctctca	ctaggattat
31441	ttcaacatct	ctccagctag	tctccttgct	tccaaccttc	ctccatccct	tcaaccccat
31501	cagtcaactc	ctaacacagg	agctgcagtg	attctgttaa	tacagggtcaa	gtcatgtctc
31561	tcttctgtct	aaaacctctc	aatggcttcc	catcgctctt	agtaaaattt	tgcttttaac
31621	atcctatgtg	atctttcatt	ctgttgcttc	tgtgacatca	tttttcctac	tactcgttcg
31681	ctctcttctt	ctgctctaac	cctctggcct	tcttggtggt	cctcgatcaa	gacagactct
31741	tgaccacata	agaacttttg	cccttcacat	tccctctacc	tggtacacta	tttaccocaga
31801	cagctgcacg	gtttgcgtgc	tcatctcttc	aaatctttgc	tcaaattgatc	acttctcttag
31861	tgaggacttc	tctgcccac	tacctaataa	tgtaaaacttc	atttcccacc	ctaaaagcca
31921	tgcttttattt	ctctactctc	aacacccaac	aaatcataaa	tttggttatct	ttttatatgt
31981	tctgcccattc	tgccccttcc	agaaattaa	ctggagggca	gaaatttttg	tcagttttgt
32041	tactgacac	acccttacc	ttaaaataat	aagtaaatat	tccataattt	ttcatattta
32101	agaattccat	aaatattaaa	agtatatcca	aaaaaatata	tccacttatg	ttatcaacaa
32161	aataactgga	tatatatctt	taaatccata	tctgtatata	aattattccc	tttttcaagc
32221	accaatggaa	aaattataaa	aaactaagcat	acactagaca	ctagaacaca	aaaaaaaact
32281	actgaattca	aacaataaat	aaaatagact	aagttttcta	gaacaataaa	atgaaaccag
32341	aaaataactaa	aagaacaaaa	taaaacacaa	cttcttagaa	taacagcaaa	aattggctat
32401	ttaacatata	cctgatatta	aactaagcaa	agaatatgta	ttcatcttta	tatcagctta
32461	tgggattgga	gctgatatca	ttttacagat	aaggaaactg	aagtttaaga	acactgaaat
32521	ttcttactca	actaataata	gtgattgctt	cagatcagtg	gtgaatgggg	caaaaaaaa
32581	aaaaaaaaag	aacgtagcta	gtaagtagta	gagctagaac	caatcccagg	tccatgaccc
32641	tggagaccaa	gctcttaact	aatgtactct	taaaataactg	ctgggtcaaa	gaaaaatcac
32701	tacaatttag	agtatactac	aataacacta	catagcaaaa	tctatcaaat	taagccaaaa
32761	ctatactgag	ggaaattgaa	tgctgcttct	ttaccaaaga	aaaagcagaa	aaacacagaa
32821	agcatttcag	ttaaaagaga	aaatacaata	aatctaataga	cgggggaaaa	attaaaaagt
32881	taaaagaata	gtgattatta	gaaaaaaaag	tataacagat	tacaatcaag	cacgcatttt
32941	taggagcatg	aaaaaattat	aaaattctct	attaagaggc	atcttttaaac	ttcagtatga
33001	aaattttcaa	gtactgaagg	cggggagtgg	tggtcacac	ctgtaatccc	agcactttga
33061	gaggctgagg	caggtggatc	acaaggtcag	gagtttaaga	ccagcctggc	caagatggtg
33121	aaaccccatc	tctactaaaa	agacaaaaaa	attagccagg	cgtgggtggca	ggtgcctgta
33181	atcccagcta	ctcaggagtc	taaggcagga	gaattgcctg	aacccaggag	gtggaggatg
33241	cagtgagctg	agattgcacc	actgcactcc	agcctgggag	acagagcgag	actccgtctc
33301	aaacaaaaaa	aaaaaggaaa	ttttcaagta	tgaaaaatag	agaaaaatag	ataatgaacc
33361	caataacaacc	atcaaccagc	ttcagtaatc	atcaacagat	cactaatctg	cttcatgtat
33421	acccttatta	gcttaacaat	tttaataact	ggagtagaca	ccttaagtgc	caatatttca
33481	ttatgttcta	cttaaaaaac	tgctactcat	tttctttctg	tctcacttag	gtacagggtc
33541	ttattaatct	ctaactaagg	gtcttaagag	gtaggtactc	aatatacact	cgccatcagt
33601	gacaatgtaa	acaaaacata	gcactcctta	ctccatattc	ataatgccat	aaaaatcaag
33661	acagaaaaaa	aacaatagtt	tacctgaact	tccatgaact	tccatcatcat	ccacatcatt
33721	ctttccagac	attaaataat	tattattgag	cctggaaggt	ccacttaaga	aaaaaaggaa
33781	accacaaaat	taatgctttt	ataatacata	tatctaattg	atttgcctta	atgatcattt
33841	ttctcctaaa	actgccataa	gtctttctta	taaaaccaat	agtgatgtta	caagtcatca
33901	aaaaatatata	gtcatccctc	agttattgtg	ggggattgat	tccaggatcc	actgtggata
33961	ccaaaatcca	aggatgctca	agtccttat	ataYaattgt	gcagtatttg	catgtgactt
34021	tcacatatcc	tcctgtatac	tttaaatcat	atctagggtta	ctgataatac	ctaatacaat
34081	gtaaatgcta	tgtaaatagt	tggtatactg	tattttttatt	tgtattattt	taaatgtcat
34141	attgttactt	tttattgttt	tatattttat	tttctgaata	ttttcaatcc	atgggggttg
34201	aatcagtgga	tgcaaaccc	acagatatgg	agggctgact	gtacttgctg	cattaaacaa
34261	agactacaat	ttcatcccat	aactgcagtg	tgagcatcat	aagtactgaa	tttatgactt
34321	acagatcaga	gtaacagact	tagtaaattc	aaatgataac	atcctgtggt	gaaaaatcaa
34381	ttataaaaaa	agaagaagaat	catcatattt	taattaaaaa	aaaatatagc	caaaaaccaa

FIGURE 4-J

34441	tggaaatttaa	aatgtggtcc	agaaattgtc	agagatgatt	cagcctctcc	tagtcctaaa
34501	tctctttcta	cctattatga	acccaggata	agcctagtca	taacctcaca	aatagtaaag
34561	aaatcttagc	catcccttaa	aagtctgaga	atttgctaaa	atttaccctt	tattcatttt
34621	ttaaaagggt	atatgacatc	agatataatt	aagagtaggt	aattcaattt	gatcactaaa
34681	tgtgggtcatt	ttaacattat	atgtccaaat	tctttaatac	accacctttc	aatagggtgga
34741	gcctaattcc	acctctccct	gaatgtagt	tggactcaat	aagttgtttc	taatgaacag
34801	aataaagtag	aaatgacggt	gtacaatgtc	aaagactaag	tcattaaaag	acactgtgat
34861	atccatcata	gtcacacctt	ctcttgagc	atttgctttg	tgggaagcca	gttgccatat
34921	tcagcagctg	agagggccac	aYggttaaga	aactaaggct	tactggaaac	agccagaacg
34981	gaactggggg	ctccagccaa	cagcgatgtg	agacatttta	taggtggatt	ctccagttcc
35041	agacaagact	ttaaagggtt	aaaaccagaa	agatgactgc	tacctctga	gaatatccga
35101	gccaaaacta	gctagctaag	cctcccaaat	tgctgaScCa	tagaaactat	gaaacaataa
35161	gtgttttttaa	gcttttaaca	aaattaaaat	aaagtctctg	ggtaatctgt	tatacagcaa
35221	tgggtaacta	atatatacaa	ctattatcct	tacaatacac	gcataccttt	cctctaaaac
35281	tgaagtctta	tgctctccag	aatccaagtt	tgactctgtt	ggatatattac	atgtatatcc
35341	actggtctga	ggctttagg	gaacattctg	tgcagtcata	atgttatctt	cattctttga
35401	gcttcttgta	gatctataaa	aatgataaat	gtatgagtgt	ttatacttct	tcaaaaataa
35461	attttcttcc	agaaacgata	cacagggtgg	tacaaagaca	atgtaatat	ggctataacg
35521	aatatcagat	caccctgttc	aggttctgag	acttgcaact	agctaaggaa	ggaaactggg
35581	ttctaggacc	taccaagagt	cccaatttga	aaaattctga	tgagagaaat	ggagaagaca
35641	cctgccaaag	aaggtggtga	aagggacata	aggagacctt	atctataagc	agcttgatat
35701	gtttctcagt	taatctatca	tggttactct	gagaatccat	aaacaactaa	aattggcttc
35761	tttgatatcc	ctagtcagcc	tactgagggg	caatagggtc	ctcagaggga	ctgagctcat
35821	ctctttggta	gttagtttac	tccaaatata	tgcaaacaag	atacactctt	cctagtgact
35881	gtataattct	tcaggttcta	gtatcctcct	gggtcctacc	attaaagtca	aaagaaataa
35941	aagtgattac	aagagaatac	taggaacaac	tgtagtccaa	caaattaaat	aacctagatg
36001	aaatggacaa	actcctagaa	agacacaaat	tatcaaaatt	gattcaagag	gaacagctct
36061	caaaaatacca	tgaatcagta	atcaaaaaca	aactacccat	atagaaaagc	tcaggcacag
36121	gtggcttcac	tgcttttacc	aaacattcaa	agagaattac	gacaaattat	tcacaaaccg
36181	tttcaaaaaa	tagagagata	atacttccca	actcattgta	taaagccagt	attaccctga
36241	taccaaaact	aaacaaagac	aacagaagca	aagcaagcta	ccgatcagaa	cccctcaaca
36301	aaataactagc	aaattccagc	aacacaataa	aataaaaagag	agagaaaagc	agagaaaggc
36361	ctgaaaaaagt	gaaacagaat	gggtatggga	tttctttatg	cactataatg	atatacgcta
36421	atataatttta	ggacacactg	tcattttatt	cagtatatcc	tcagcacctt	actgattcca
36481	acacaaagta	tgtattacct	caatagggtg	ttggaactaa	taagaattca	ttaaaagYat
36541	ctagcaaata	tttggcacat	agtatgaact	caaaaaatgt	taactattat	catcctaaga
36601	agaaaagtat	taagctatat	tcctaactat	tgaaaatcaca	ttaatctcac	ttaaaaggaa
36661	acaatttgaa	ctatacactt	aaaaaagatt	aagacagtaa	attttatgtt	atgtgttttt
36721	tgtctgtttg	ttttttgaat	ctctactttg	ggagcccaag	gcaggagaat	cacttcacac
36781	caggcggttca	agacaagcct	aggcaacaaa	gcaagacctc	atctctccaa	caaatataaa
36841	aattagccag	gtgtggtggt	ccacactgtg	agtcctagct	actcaggaag	ctaaggcaga
36901	aggattatct	gaccagaag	tttgaggtta	cagtgaggcta	tgatcacgcc	actgcactcc
36961	agcctgggaa	acagaggaag	actctgtctc	ttaaaaaaa	aaaaaaaaa	aaaaagttta
37021	actcttgga	gacaataata	tcttattaaa	tttaacagtc	ataattccag	gtgctatgta
37081	ctattcccta	ttttaatatg	aggaaacaag	tgagagtagc	tactttgcct	gtgtgtcaYc
37141	cagctaattg	tagaggctgg	atttaataacc	aggtagtca	gagtgcagag	ctcttcatgc
37201	taattactgc	ctgtccataa	atgactaaat	agcacaattt	attaaatgct	gaacaacaaa
37261	agtaactata	ttgtacacat	aacagacatt	acctagaaca	atcaagattt	ttcttcttag
37321	ccaagtctgc	ctcatcactt	tccaatggct	cactcagYga	acatctggaa	atttcatcat
37381	gaccaacgat	acctccagaa	ccttcagcat	ttaaaaactt	ctgtactctt	tggttgcctt
37441	tagttgctgt	cttctgcctt	tttaagtggaa	tagttttttt	cctaataattc	ttagatgact
37501	gatttggttt	cttagtagat	tttcggctac	tattgtgatg	cattggtaat	tcatttctta
37561	ctgaagaatt	gctataaaca	ggacctgaag	gattcaatga	taacctaaag	ttagtaagtt
37621	tgtccagatg	atttggtcca	ctgaaatacc	aacagcattt	atatttgcac	ataaacatat
37681	acacatacac	acacacacac	acacacacac	acacacacac	acacacacac	acacatctca
37741	ggctaaattt	atttccaaat	taaattcttt	aaacaatgta	gctcttcagt	ttatagatat
37801	atgaaacagg	cccttcaaat	ctgtcacagg	cttcaagaaa	cactctctgg	ctctgccac
37861	tgcccttctg	gccatcctta	atatctgata	ttccccaagg	tgacagcttc	agcttttcac
37921	tccatatact	ttcattgacg	gacttatcta	cccagagctt	taattactat	ctatagtctg
37981	acacctataa	tatccatcta	ctgctctccc	ctatatctgc	ctctcttgct	ttatttctta
38041	tcttaattgaa	aaatacaact	acctattcta	tccagatatc	taaatacaga	atttgagtca
38101	tgcaagacta	ctactcctat	ccacaatcac	gccctaaatc	ccatcaattc	tactttatta
38161	atgcctttca	aatctttcaa	gctctccctc	ctgtcattag	tagaagtcct	cattatttca
38221	tatctggatt	attaaacag	tctctttact	aatctccccc	tccttagcct	tgtttttctt

FIGURE 4-K

38281	caatccattc	cctacactgc	tgcaagaatc	acctttggaa	aacaaaaact	ggatcattac
38341	aactctgctt	aattaaagta	ttttagttaa	tatctatagc	ttcaggatga	agtccaaata
38401	cttcaacatc	aattcatatc	tacatctaga	tttgcttatt	tcataaacca	caattcccaa
38461	aacccccctc	caaacaaaca	aacccaaaaa	agccatcagt	aatgaacaat	ctacagtttc
38521	tctaaagcac	tggttggtcca	aaggcagctc	ctagaccagc	aagatcagca	ttatctggga
38581	atttgaaatg	taaattatca	tgcctcacct	cagaccccag	tgaatcaaag	actttgcaga
38641	gcagggccca	gtaacctgtg	ccttaataag	ccccccagac	aattctaaag	cacactaaat
38701	taaagaaaga	aaagatcaag	ctctctgctc	cagatctctg	cacaagctac	ttctacttaa
38761	aacattccat	aacttcctcc	ttactccact	caatcactta	gctaactcct	agttcatcct
38821	tcaggaaRct	ttccctaatt	tccaagtctt	aggtagcttg	ctatcacaca	tacgactggt
38881	tacttatctc	tactttctct	ctccagcaga	ctaacaactc	cttgacctca	agtaattgat
38941	tggtatttta	tctatgtata	ttcccaatgc	ctaattgacag	gggcaggact	atgggtgaagc
39001	aagagtagcc	tcagctggaa	aattcaagaa	ggtactcatt	ttcagggtctg	tgcaagtaca
39061	gagcccgaac	tgatacaatc	ctgtgactga	ctgccttaaa	tttttcaccc	tagtgtctca
39121	ttgtcttacc	ctagtctctg	tcctacttta	cctcattcct	gccccatggc	aagtactcca
39181	tatacatttc	ttcatatata	tggaagggca	acagtgtcac	acgtacgaca	ggcaggctgg
39241	gggcagggtca	agttgttctt	cttaacttca	gacttcagtt	tcttcttcca	tcagatgaga
39301	gttttagacta	tatgatata	aaagattcct	ccactttttc	gactcccagc	ttgatcaaaa
39361	atccaacatc	tatttcagga	ctcttaaata	agtgtttttt	gatagtttca	gagatctagc
39421	acattttatcc	aagttctgta	agaatttatt	tacccatctg	tttatgtaYt	catctgccac
39481	atagtactta	gcatttcagg	caacctgggg	cagaaaagtg	agttccccaa	agcagtaaca
39541	gtattcttta	acacttcaat	ataacatata	gccacctact	atgctaattg	catttcaacc
39601	ttataaaaa	tcaatgaggt	aatcatgtta	cagaatgaga	aactaaacaa	agcaatctac
39661	tcaaagtggga	agagtgtatc	tttgaactca	gatctcactc	caaatccaa	aggctgcaac
39721	aaaataaata	cttgctgcta	tccatcaaga	atctcaatga	tttaataatt	catagcaata
39781	aggcctcaca	tatacaatgc	catagtgtga	ctaatacttc	acttattaat	ctaaatgccc
39841	caaagtcaat	agtattgtg	tatgtatag	ctaccttatg	atccaccaat	cttttcagga
39901	tcactttctt	taaaaaggga	caattctccc	aaaacaataa	atgtttcata	ttgtgcagaa
39961	aaaagttagc	aaagcaggtc	tgagtatact	acccttaaaa	gggcctgctt	tcaaagttag
40021	ccctgtaaac	ttaaatttca	ggattgttcc	cgtcatttcc	taattggcaa	acgtgggtgt
40081	gtgggcctaa	actgcttatg	caaaaaatat	ggttttaggca	aatattgcct	tccttcaggg
40141	agtcaggat	tgtagtactt	gttagataga	gagtacctat	gtgaccacc	ccaggaaaga
40201	tcttgggcac	taagtctcta	gtgagcttcc	ctRatagaca	ttttgcctat	ttgtcacaac
40261	tcattgctag	aggaattaag	cagctcctgt	gggaatccac	tgggaaagga	ctctttaagc
40321	ttctgctgat	ttcctccaga	cttaaccat	gcactttttt	tctactgaat	ttgactgca
40381	tcctttcact	gtaatgaatc	acagccatga	gtacaactat	atgccagctc	ctcctagcaa
40441	attaccaa	ctgagggtag	ctttgggaac	cWccaacaca	agtaattttac	ttttttatgt
40501	gtaataaact	ataatctttt	agattataaa	ctccttggtg	gcagaacctc	atattatcaa
40561	tctttgtatc	cctcacagcc	aggacattaa	aatagctgga	ttattttatat	tgctttccc
40621	aactagaatg	caagctccat	gaaagcaggg	atctctggtt	tggtgttttg	tttccca
40681	gctattatcc	ctattcctaa	aataactgat	atattaacgc	ttcaaggaat	atctttacca
40741	ttgattta	attccttttg	atgacccaat	ttactttggt	cctcatgata	ttcttatat
40801	agaaatataa	aatcaaacat	aatgccctt	acagaatgat	tttgtctatg	aacaaacaca
40861	atttaaataa	aaatacttac	tctcctctga	ttttaccacc	caccaatcag	atggacgct
40921	ggaaattctt	cgacttttgc	tgacagttga	agtcacttct	tcaggtacaa	gtttgttctt
40981	ggactcactg	gaaaagcgct	tctttttaga	ttcttcctta	tcttttctag	tgctactttt
41041	cttgcttcct	aaaataaaga	aaaccataaa	accaattcac	aatctactaa	aagagttttc
41101	agaaaaccac	aagattataa	aaaaaccgtc	aattacagga	acttcttaaa	tttatcctgt
41161	ggccttttca	tctccatttt	taaaagtcac	atgttctctt	tctgtcaatt	atatgtgctg
41221	ctgaagtaag	cactaaactc	ctattaaatg	caaattttca	cactgcttga	taactcttat
41281	atactcctca	gccccaaaaa	taagtatctt	ctgaaactga	aaaaaaaata	cagttccttc
41341	ctataacgtc	ctaagtaaaa	gtaggcaatt	actgctttcc	tgttttgaaa	taatgatttt
41401	tttcaactta	agaagaggag	atttaaagtg	tgattaaatt	ataaaactctg	aaatagaggc
41461	attatcttgg	atcatccagg	ttgacccaat	ctaattatgt	ttcttttaaa	agctgtgggc
41521	agagagatga	gatgatggaa	gaagaggcaa	gataaattca	caacatgaga	aggctgggtat
41581	tgctagtttt	gcagatgggtg	gaggaggacc	atgagtcaag	gaatataggt	agtttcaaga
41641	gggtggaaaa	ggcaaagaaa	cagacttcct	cccagagcYa	cYagaaagaa	agaaaacccc
41701	accaatacct	tgatttttatc	ccagtgtgac	atctgaccca	cagaactgta	agataatcaa
41761	tgtttggtgt	tttaagccaa	taagtgtgta	gtaactgtgc	atatgacagc	aatagaaaat
41821	taatacaact	gatatggtaa	ttaatgagca	ttatattcac	taaccaatct	agatacagaa
41881	tatatgtaaa	aattagtgtg	tagaatatag	cagggtactca	gaaaatgttt	aatattttaca
41941	attatagagc	gcattcttca	agtaatactc	cttcatatgt	cttttcctaa	gaaattatgg
42001	ataaatcaaa	attttgtatc	cttcctttta	atcctatgca	tgatgtata	ttatctatta
42061	ttctacagaa	cccaccagaa	tgatcttgtt	aacagtagaa	ataatggggt	agtaattttt

FIGURE 4-L

42121	gtgattacag	tgcctaatagc	agtgtatggc	attcaacaac	tgtagacac	atgagtgaat
42181	gatggaagag	aatggacttt	tatctctata	aaaaatagtc	ccacggtagc	ctgggatttt
42241	ttttaacatt	tttattttct	aaataattta	tcattctgtc	ttattcatct	tccgatacta
42301	acttgtttac	tagccttttc	ttttcacttt	gccctctata	tatactgcca	tctcacaaga
42361	taaacaaaaa	ctatatgagt	tagaattaaa	ttatatataa	aataaaaaag	ttctagaaaa
42421	gaacctatag	gcttttcagg	ctctttgttc	atthaggttt	actttgccta	cttgccaaaag
42481	ctaagttagg	atattaaaaa	acataaaaatg	ggtagaataa	tgctcatggt	tatttttaat
42541	ataaacactt	acccacagg	ggcatctggt	ttttggaaac	acaatcattt	cccatctctt
42601	catgctcttc	cataattctg	tctgaatttc	tttgaaattc	gtcttggtta	atatgtgatg
42661	tatgtatggt	ttcatcttta	gactgtccca	catcaagctg	ttcttcagct	ggttttagcca
42721	tgaattttct	tctctgtttt	tgttttatag	tccttttgct	tctagatggt	ttttctgcat
42781	tcttggaaata	catttcatat	ttttagatc	tataattatt	tactgtttca	Yctatcaaaag
42841	cataacttgt	atccagtact	gtttttcag	agggctgaga	tgctctact	gggtgagggt
42901	tatgggaatg	tttgtcattt	gccaaagtct	taggtaatat	attatgatgc	ttttctcttg
42961	actttctacc	ttgaaRgagt	gcagtgtctt	cagccgggga	tattgtgctg	tgtttcagag
43021	accctgcctt	tcttggtatt	gtaatccaag	atctactggc	aaaactttga	tccgactcat
43081	caattataaa	ttcatcctct	atcaacttcg	tatcatcggg	aggacacgaa	tgagggtggag
43141	cagttgccgc	atgcctaaca	atgggactga	aacagggtga	tacttttaac	agttcaaaaa
43201	aataaaagctt	ttatatattg	ttagtaaaga	aaataatcta	ggaaataaaa	tctaaatttc
43261	ttttaaactg	tttatataat	tcctcaattt	tccttaatc	ttacaaatct	ttccctcctt
43321	tcacatttct	atgtctgttc	acccttattt	ataatagtaa	tgacatcaca	aaaatttaga
43381	gctagaatac	tagacatcaa	caaatttgat	cccaccacc	caccatttat	atatactaaa
43441	actgaagccc	agagagatat	aattataact	cagatacatt	gactcacagt	ccaaatgaa
43501	tgccactatt	atatataatc	ttatattaaa	ttatatattt	gtatatataa	cttttgggggt
43561	ctgaatttct	tcacattcaa	aataagtcaa	caagattatt	tctgagaaca	ctccaagtct
43621	aatatttgaa	tggactacta	ctaaattata	aaaagttgag	gaggccggat	gtggtggctc
43681	acgctgttaa	tcccagcact	ttgggaggct	gaggcagggt	gatcacttga	ggtcaggagt
43741	tcagagccag	cctggccaac	atggtgaaac	cccgtctcta	ctaaaaatc	aaaaatttagc
43801	caggcatgat	ggcgggtgcc	tgtaatccca	gctacttggg	aggctgaggc	ggaagaatca
43861	cttgaaccca	ggaggcagag	gttgtagtga	gccgagattg	caccactgca	ctccagcctg
43921	ggtgactgag	caaaaactcca	tctcagacag	aaaaaaaaaa	agagagagag	agagagattg
43981	gggacaattt	cttctatct	ttttttacat	cccacagttc	ttcatacata	gtcaacacca
44041	atacacagac	ggttgaaatga	atgtaaaaat	tactaatatt	actataggac	tgtaaaattgt
44101	agacctacag	aactataaaa	taataaaaYgt	tgttttaagc	cgctaagtgt	gtagcaactt
44161	atgacagcat	gtgtgtaaaa	atgcattcca	agttYgggta	tttcacatat	attttcatat
44221	tataatcatg	gtatagaaat	aaatggagtg	tatctagaaa	ggtagcataa	gcacaaaaga
44281	aatctagtgc	cacagaaaca	ggaaaaataa	aaggcaagtc	ttatcacaaa	gcatacaatg
44341	ctacagaatg	ttattaaata	atgaagtcaa	acaatgtttc	ccaactctag	acctttctcc
44401	atagtcctag	cccaaacttt	atgtatttta	ctaaaaggca	gaaagcctat	atcatgaata
44461	ttattgttat	ttcccatgcc	cagtggttga	aaaggctaaa	gagtaagaca	gacaatttca
44521	actacaatct	tatggcttat	aatataacat	caacattaat	tcttaaattt	tcataaaaagc
44581	atgtactagt	taagaacata	caaagagatt	catgcattta	atgaggtggt	gaataaaatta
44641	agactagtgc	attgagatta	cacagtaact	cctccaatta	gtcaggaaac	tttcttagag
44701	aaggaggagg	ttattccaag	gacagtaatc	tgatagactg	actaatttta	catttccctg
44761	attgttttaa	tagctttaag	cacaccacat	attgcagtga	gatacacaaa	ataaaaaaca
44821	aggtaaacat	ccaaaactcca	aagctggcat	acgcactcgt	ttccactttt	tcactaggat
44881	aagaaggcct	agtttagctat	gttttagccat	aacagaaaca	aagacagaat	gcaaaaatta
44941	gattatgttt	ttctctttta	attagaacat	acacaaggaa	tcagaaatga	aaatgccttc
45001	tctattcctc	taatcgcaaa	ctcctgacaa	atcttataat	gtaaaatagc	aaatactcta
45061	aaaaatatac	tctctaattg	tagagtttca	caaacttata	taattagaaa	actctataaa
45121	aactaataaa	gaacaaagtc	aatacaataa	ctacaatgaa	tggaatgtta	acagaaatga
45181	tatccttagg	aaacaatctt	gacactatga	aagttttcaa	tagggaaaaga	tggtctctaa
45241	ttagctacaa	aaactatgaa	acgcttttga	gcatttaggc	tagatcttgg	aggattttcta
45301	agatttggtc	acaaggaaat	gcaagaaaga	caatcaaaaag	gaagagcata	agtgggaagca
45361	atgatgctag	aaagcactgg	gaataatgaa	tagttatatt	tgactacaac	aattaaacat
45421	aagatgaact	ttactcacta	gagatcaaaa	aagaacatta	aaaaataatt	tctcagacat
45481	tatataatta	gcccacaagt	ataacgcatt	tgtttcagat	ggtggtgaca	atataccatat
45541	gaggttttaa	atatacacat	aaaaataatt	aatcaactac	aggaagcaga	gactgaacaa
45601	aaggggaatt	tcattcattc	atttaacatg	tttttataaa	aacttccttt	ttatttttga
45661	gactgagtct	cactctgtca	cctaggctag	agtgagtggt	caccgtctcg	actcactgca
45721	acctccacct	cccaggttca	agtgtttctc	ttacctcagc	ctcccgaata	gctgggatta
45781	caggcatgtg	ccaccaagcc	gcactaattt	ttgtattttt	agtagagatg	gggtttcacc
45841	atgttgggtca	ggctggtctt	gaacctctga	tctcaagtga	tccaccgcgc	tcggcctatc
45901	aaagtgctag	cattacagac	atgagccacc	gcgccagca	ataaaaactt	cctagtatat

FIGURE 4-M

45961	tcaactagcac	tctgatacct	atgatagtga	cataagggca	gcctaacata	acgattttcta
46021	aatactgcat	tgtcggccgg	gtgcggtggc	tcaagcctgt	aatcccagca	ctttggggagg
46081	ccgaggcaga	tggatcacct	gaggctcagga	gttcgagacc	agcctgacca	acatgggggat
46141	atccccatctc	tactaaaaat	acaaatatta	gacaggcgtg	gtggcaggtg	cctgtgatcc
46201	cagctactcg	ggaggctgag	caggagaatc	tcttgaaccc	aggagggaga	ggttgcaatg
46261	agccgagatt	gcgtcactgc	actccagcct	ggaagacaga	gcgagaccct	gtctcaaaat
46321	aaatacacatac	atacatatat	aaatactgca	ttgacttcag	tctttgatata	cacacagaca
46381	aaccagaagg	caatgaaaac	tgaataaact	tgttttcttt	caagtctaata	ttagtatcta
46441	ttaaaaaatg	gctttgggag	tgactcactg	actggtaaaa	aaccatctct	ccttacaggt
46501	cagaaaaaat	ttcaattaaa	atttttgtta	attaaattac	ttatttctaa	gttaaatagc
46561	attaggaatc	cttatatatg	gttcatagaa	tataaaaaga	aaatgtctca	aagggcagtt
46621	tcttaataac	tcacctggat	tcactttttc	gttttactgt	ttctaaaaac	aatggtgaaa
46681	aacttttttt	agcttgtcgt	tgaatttcat	attctgaatc	tcgtattcta	ttctgagatg
46741	atcctgatgg	ttttctttct	tgtccttcYg	atgttttatc	ctcttcatct	gatactttat
46801	tatctatttc	tattttcttt	aacataaact	tatcatcaaa	gttttaacct	aaagggtaaa
46861	aggagggtaa	gctgaatgct	cccgtaacgt	ttcttgagtt	ataagtcttc	ctgaactcct
46921	ttacagagac	aatacagacc	aattttaaaat	tctgtactag	gcattttattt	aagacataaaa
46981	tgctgatttg	tgcatcccaa	atacataaga	taaactgctc	aggaaaaatta	acttttgtat
47041	ttatcaatag	aaaaacatga	aagagaaaaat	aatggctaaa	gtatacatca	atgaaatgta
47101	tagctaggca	atggttctca	gggcaatctt	agagcactgt	gacagaccaa	actttgaata
47161	tcaaaagtctt	agaatatact	taactccttg	gctccagtaa	tcatacaata	ctctaataatg
47221	aaattacact	cattacagag	atctccaaat	gcaaaagacc	tggaatccac	ttgttttctt
47281	aaaggccaaa	ggtaagggtca	agaaagagaa	accagctgtc	cacaaagcat	agcatcctca
47341	ataatactta	tgctctgcta	ccSttgaaagt	gacctgatac	acatctacac	ttgcaattac
47401	aaaaaataatt	gagaaaaatac	aaattgtttc	tcttaggaag	caatcaaaata	ttatcagaga
47461	gaaaacacat	tattccagac	tatagaaaa	ttaacctcta	aacttctctg	aagtacactt
47521	taagcccttc	cttaattatt	acaaactgaa	tatatgctaa	atgtataactt	tctcataaca
47581	tgttaatatt	cctccttctt	tagtgtaaaa	taatataaca	agattgaatt	accatttttt
47641	aatacaaaaa	gtaaaatttt	taaagtgcgt	taacattatt	taaataaaat	gttacctttt
47701	tttggtttta	actgaaacct	ctgtacttga	aggcagcata	tttactgaat	tttcaaaagt
47761	gtaagctctt	ctcttttggtg	cactagatgg	aataacattt	tgtgatacag	atgtttttgc
47821	atccaaaaga	acagaagggtg	agccaacgga	taagtaaaat	tcttcatcag	cttcactgtg
47881	atgatcattt	atgtttctac	ttgatatttt	tttcgagtca	ggtgtatttt	tggaaactaac
47941	atcagttgcc	agaattttct	gatgaacttc	atgggcctga	actagaagaa	aattatataa
48001	agatatattgt	caattaaaag	aataataaga	gaatcaagca	ggctttttta	aaattctgca
48061	ataatttaat	cagaaatagt	tttcagaaaa	ctcaaagtca	ttaagattag	aatcaaagat
48121	ctatgattaa	aataagtaag	tacttaagat	tcttctatct	ttgggctaaa	aattgggtgac
48181	ctagggcagc	tagatgatata	atttacacat	acacacatgg	aatatagata	taacagatat
48241	agagagatac	aacataagca	tgtgtgtata	tatacataca	cagtatatata	gtatatgaac
48301	atttatctat	aatgagaaaa	tttaaaagaa	tgtatccata	ttctcttaac	cctcaccctt
48361	cagaaagaga	tggcatttcc	ctgcttctcc	ctctaataac	aactaacttc	cctggaaatt
48421	atccatcaat	caacaacagg	actctgaaga	ctggaagaaa	aaaaggtaga	ctagctagga
48481	agctcaagac	cagaaacaga	caagccttag	gttttctgtc	tgtctcccat	atacccttg
48541	actggttgct	agtataacct	gtaaccacca	ataggtgaaa	gacaggggtg	aggctgggtg
48601	gaaatgcatt	ctctgaacaa	ggtaaaccca	ccgaagacct	aatgaggaaa	ctcaagcccc
48661	attcagcact	ctcggccatg	gagcactcct	tactacctgc	attggcaaa	caacaagccc
48721	ctgggctgtg	ctatgggact	ctagcagttaa	aggagctcat	accaagccag	tcccgcttct
48781	acaatcatag	atggcaggcg	gtatgaccca	catgaagctg	tagagtagtg	aaacccttga
48841	ccYtcacagc	ccaaggcaac	attttgatcc	actgatagta	ttgacacccc	aggccatccc
48901	agtcacctact	ttacaaccag	ggcaccagca	gacagtctaa	tctgaggcaa	gaacagcgta
48961	agagaggcca	gcaacccctt	gtcctccacc	caatgatata	aggaaaccca	ggaccagcag
49021	cttctaacca	gaaccccaca	caagtgaaca	tggacatcaa	aaggcatctt	ctacccaccc
49081	cagacagcac	caacaggaac	tgagctagaa	tcctaacagc	atcagaaaaat	gaagtagaac
49141	aaaataccac	tattactctg	aacacttaac	tatcattgaa	aataaaaactc	ataaaaactag
49201	gaaagagggg	ctgggcgcag	tggttcatgc	ctgcaatccc	agcacttttg	gaggccaaaa
49261	cggttggtatc	actggaggcc	aggagttcaa	gaccagcctg	gccaacatgg	cgaaccccca
49321	tctctactaa	aaatacaaaa	attagccagg	cgtagtggca	catgcctgta	atccagcta
49381	ctcgggaggc	tgaagcatga	gaatcacttg	aaccaggag	gcggcggttg	cactgagcta
49441	agatcacacc	actgccctcc	agcctgagcg	acagagcaag	actctgtctc	aaaaaataaa
49501	caaataaata	aataaataaa	taaataaata	aataacacag	gaaagaacct	atacatataa
49561	ccaaaatagg	gcaactatgt	gctgtaacaa	aagatttaag	tagtctaaga	atcccctaac
49621	ataagtaacc	aaatctcagg	aataactca	aaacaactcg	tcatacaaaa	accaaaacaa
49681	accaaaaaaa	aaaaaaagta	agaaataatg	atcaatagac	ataaatgaga	tgaatcagat
49741	tttaaaatta	tttaacaata	aattttaaa	caaacatcat	aaaatgcttt	aataatcaat

FIGURE 4-N

49801	tacaaatcct	cttghtaaca	atgaaaaaga	aactctcaaa	gtagcatttt	ttaaaaaaa
49861	gttttttggg	tattagccat	tatcagtaag	tagtgatttt	taaatattat	tttaaat
49921	cctaataaca	gtgatgtaaa	acaaatcaaa	actacaatga	gatactacat	cacacccatt
49981	aggatgacta	ttattttata	aaacaaaaga	taacaactgt	tgatgtagaa	aaaaatggaa
50041	cctttgtgca	tgcactgcta	gtgtgaatgt	agaatgacag	tcactatgaa	aagtgcacag
50101	tggatcctta	aaaacttaaa	actgaaagca	ggaactcaaa	gagatacttt	cacactaata
50161	ttcatagcag	cattactcac	aatagccaaa	aagcgaaaac	aacccaagtg	cccatcaaca
50221	gattaataga	taaaaagtgg	tatacacata	caatgaaata	ttaccagtc	ttagaatgaa
50281	attctgacac	atactacaac	atggatgaac	cttgaagaca	ttatgcttag	tgaaataagc
50341	cagtcacaga	taaattttct	gtctgaaatt	catggacaga	aaaaagtaga	atgggtggtg
50401	ccagggctaa	tggaaaaaga	gatactgttt	aatgggtaca	gtgtttcagt	tgtgaaaaat
50461	gaaagaagtt	ctatggattc	atgggtgtga	tagcctcaca	acaatgtgaa	tgtacttaat
50521	gctactgaac	tgtatactca	gaaataaagt	ggacaatttt	atgtttatat	tatacaatat
50581	tttaaaat	acttctttaa	aaaagagcaa	aggaagtgac	gtgtgtatat	aaacaaacta
50641	aaacaaaaag	tcttgtaaag	ttaaaaaata	ttaaaatacc	tgacaacaga	aataactaac
50701	agtagtattt	aagttgggaa	ttcgttgttt	cagttaccat	gtctgcataa	tataacttct
50761	taacttggct	gcataaaaaca	actatttgtt	atgttcattg	attcagtaag	tcagcaattc
50821	agcagagcac	agaagggacg	gattcttcca	tgaagtctga	gccctggaat	catctgacag
50881	cttgttttaca	catatttgac	acctggtctt	gactgcaggc	tgggagtctt	ttctctccat
50941	aatggctact	ttgggcttct	tcacagcata	ttgtctgggt	tccaagggca	actggagaga
51001	ataagaagaa	caggaagaga	gagagagaag	gagagagaga	tccagcatgc	caagcagagc
51061	catatagcct	tttatgacct	aatcatgtga	atcacatgta	ttacatatgc	cacattcaat
51121	gtatatgtag	aaacaacctc	aatgaagtgg	atggggggaa	aggtgatgac	ctaagaaaga
51181	tcagaaatga	atcaaaggcc	aggtgtggtg	gctcatgcct	gtaatcccag	cactttggga
51241	ggccaagggtg	ggtggatcac	ctgaggtcag	gggttccaga	tgagcctggc	caacatgggtg
51301	aaaccccatc	tctactaaaa	atacaaaaaa	tatgtgggcg	cagtgggtgtg	tgccataaat
51361	ccagctact	tgggaggctg	actcagagaga	atcacttgaa	ctcaggagcg	ggaggttgca
51421	gtgcaccaag	attgtgccat	tgcactccag	cctgggtgat	aaggggcaaaa	ttccatctca
51481	aaaaaaaaaa	aattaaaagg	aatgaatcag	ctgggcatgg	tggctcacac	ttataatccc
51541	agcccttttg	aatgctgagg	caggcggata	acttgaggct	aggactttaa	gactggcatg
51601	gctaacatga	tgaagccccg	tcttacttaa	aaacacaaaa	aattagatga	gcgtgggtggc
51661	tgtgcctgt	aatcccagct	ctgaggcagg	agaattgctt	gaaccttggg	gaaccttggg
51721	gtcagaagtt	gcagtgaagc	gagatcacgc	cactgcattt	cagccaggga	gacagagggg
51781	gactctctca	aaaaaacaaa	aatgaatga	cgtctgtaag	actgaaggca	aaagaaactg
51841	tacataagca	ctattctcta	gttgataaaa	ctgttttcca	caggatatga	gtcaacaatt
51901	ctgacactct	tttcatgta	tacagaaatg	taaaagataa	gtaaatggat	gttgaaatgg
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52081	caacatagat	acagatagtt	acatttaaag	atattttatag	gtatgtgttg	atacacaagt
52141	tattgtacac	acacatacat	ttaccagct	ctatcagttg	aaagggtcta	gcagcaacaa
52201	ctctacagga	gtgacagcac	acctagcact	cagatctttg	tttctaataa	cattaccag
52261	ttaaagaaat	catgattcca	tgaagaaatg	gttgattctg	ggatggggca	ggagagcatc
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52381	gggacactgg	aaccaaagta	agagcttcta	ttagccaaat	ctgcaacaat	ctgaataaca
52441	aaataaacag	taatgaatta	taaagttagaa	aataaaaatt	atccatcaag	aaaagaacaa
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52621	ctaacaaaat	tgacaactat	aagaagacac	caaccatcaa	tatgtggaat	aaaatagggg
52681	atgatgtcac	aatagatttt	gcagccacca	aaaatagggt	aatgcttctg	tttgaaaact
52741	ggcacgagac	aaggatgccc	tctctcacca	ctcctattca	acacagtatt	ggaagtctctg
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52861	ggaagtcaaa	ctgtctctgt	ttgcagatga	cgtgattgta	tacttagaaa	accccatcgt
52921	ttcagtccca	aaactcctta	agctcataag	taacctcagc	aaagtctcag	gatacaaaat
52981	taatggcaaa	aatcacaaagc	attcctatac	accaataaca	gacaagcaga	gagccaaaac
53041	atgaatgaac	tccatttcac	aactgctaca	gagaaaaata	aatacctagg	aatacaactt
53101	acaagggacg	tgagggacct	cttgaaggag	aactactaac	cactgctcaa	ggaaatgaga
53161	gaggacacaa	agagaaaaaa	atttccatgt	catggatatg	aagaatcaat	aYagtgaaaa
53221	tggccacact	gtgcaaaagta	attttataaat	tcaatgctac	tcccatcatg	ctactattga
53281	ctttcttcac	agaactagaa	aaaactactt	taaatttcat	atagaaccaa	agagcccata
53341	tagccaagac	aatcctaagc	aaaaagaaca	aagtgggaag	catcacacta	cctggcttca
53401	aactatacta	taaggctaca	gtaaccacaa	cagcttggtg	ctgggtacca	aacagctata
53461	taactacaatg	gaacagaaca	gaggcctcag	aaataacacc	acacatctac	aaccgtttgc
53521	tcttcgacaa	acctgacaaa	aacaagcaat	gaggaaagga	ttctctgttt	aacaaatggg
53581	gctgggaaaa	ctggctagcc	atatgcagaa	aactgaaact	ggacccttc	cttacacctt

FIGURE 4-O

53641	atacaaaaaat	taactcaaga	tgcattaaag	acttaaattt	aagacctaac	atcataaaaa
53701	ccctagaaga	aaacctaagg	aataccattc	aggacataag	catggggcaa	gacttcatga
53761	ttaaaacacc	aaaagcaatt	Scaacaaaag	ccaaaactga	caaattgggat	ctaattaaat
53821	gaaagagctt	ctgctcagca	aaagagtga	caggcaacct	acagaatggg	agaatatatt
53881	tacaacctct	ccatctgaca	aaggtcta	atccagaatc	tacaagaaac	ttaaacaat
53941	ttacaagaaa	aacaaaaaca	aacaatccca	tcaaaaagt	ggcaaatgat	atgaacagac
54001	acttctcaga	agaagacatt	tacacagcca	acaaacataa	ttaaaaaaa	gctcatcatc
54061	actggtcatt	agaggaatgc	aaatcaaaac	cacaatgaga	taccatctca	caccagttag
54121	aatagtgate	attaaaaaga	caagaaacaa	cagatgctgg	caaggatgtg	gagaaacagg
54181	aagactttta	cactgttggg	aggagtgtaa	attagttcaa	ccattgtgga	agacagtgtg
54241	gcaatgcctc	aaggatctag	aaccagaaat	accattcaac	ccagcaatcc	catcactggg
54301	tatgtaccca	aaggattata	aatcattctg	ctataaagac	acatgcacat	ctgtgtttac
54361	tgcatgacta	tttacaatag	caagactgtg	gaaccaaccc	aatgccccat	caatgataga
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54481	atgagttcat	gtcctttgca	gggacatgga	tgaagctgga	aaccatcaac	ctcaacaaac
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54661	aggggaagga	gagcattagg	acaaacacct	aactcatgtg	gggcttaaaW	ccaagatgac
54721	gggttgatag	gtgcagcaaa	ccactatggc	acaggtgtac	ctatgtaaca	aacctgcatg
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55141	aggcaaatat	taccttgata	acaaaacctt	acaaacacag	cattaaaaaa	actataaaac
55201	aatctctcct	tacttaataa	caaaaatcct	caaaatttta	ccaagtcaca	tccaacaatg
55261	tataaaaaat	agcaatagtg	cacaataatt	gacattttata	gataactaca	cccaacaaca
55321	gaaaacattt	tttttaaagt	cccattcata	aagacatgca	atatcttggg	tcataaaaca
55381	aatcttcata	aatgtagaac	tgaaattgca	cagtgcatac	tatgtcataa	aggaatcaag
55441	atcagaaatt	aataaggaaa	agataatatg	aaattaccaa	acactggaaa	attaacacac
55501	ttctaaataa	ccaataggct	aaactctgaa	aagatattta	aaaatacatc	aaaataagtg
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55981	tttttttttt	ttttttttga	gacagggtct	gactctgtac	ccaggctgga	gtgggggtgg
56041	actagcacag	ttcattgcag	cctcaacctt	ttgggctcaa	gtgactctcc	cacctcagtc
56101	tccaagtag	gcaggactat	agggcaactg	cactgcacaa	gctaaatttt	tgtgtttttt
56161	gtagagacaa	gttctcacta	cgctgcctag	gctgggtctca	aacatctggc	ctcaagagat
56221	tctccaatct	cagactccca	aagtgtctgga	actataggcc	tacgccacag	tgcttgacc
56281	catcactggt	atttaacata	atactgaagt	actagcta	aatagtaaga	aaaggaaatt
56341	aaagacataa	actaaattta	ccccaaacta	cccacaatta	ttatttttaag	tggcacagta
56401	ctaatttcag	ttaaaatcat	agaacagaca	tggataccta	atatcatcat	tattaaacaa
56461	cactgactca	gagattctag	caaaggcaag	aagactgaaa	taatcagatt	aaacataaca
56521	aataaaacct	ctctttagct	gatgacatgg	ttatatagct	taaagaaaac	taaaagattc
56581	aaatttttaa	aggtctagaa	ttattttttt	taaaaacctt	ggtaagtgtc	gaattaaaa
56641	tttgatataa	aaattagcct	cataatttaa	aaaaatgttc	agaatagtac	aaaaattata
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56761	aatggggagc	caggagacag	gctttattaa	aatatttttt	atgataaaac	atgaaattta
56821	caatattaac	catttatgag	tgtacaattt	aatggcatta	agtacattca	caacactgtg
56881	caaccatcat	catttctaga	actttttcat	catttcaaac	aaattctgta	catatcaaac
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57001	taaatttacc	tattataaat	actcatgtga	agtagaacta	caaaaattttt	gtcctttttt
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57121	atagcagaac	tttggtttta	atgactgact	aatattacat	tctgtgtata	aatcacatgc
57181	tgtttatcca	ttcatctggt	gacggacact	tggtctgttt	ataccttttg	agtattgtga
57241	ataaactgac	tacgaatatt	agtatacaaa	tgtctgcttc	catccctgct	ttcaattctt
57301	ttgggtatat	acctaggagg	gaagtattgg	gtcatatggt	agttctatgt	ttcaattttt
57361	gagcaactat	caaattgttt	tctatggtgg	ctgcaccatt	ttacattccc	accagtgatg
57421	catgaggggt	ttattttatc	cgtatcttca	acacttattt	tccttttttt	gttttaataa

FIGURE 4-P

57481	atagctaacc	tagtgagtgt	aaagtggat	ctccctaggg	tcttgatttg	cattctctaa
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57601	agaaaagtct	atacacagaa	tgtaaagtc	tttgctcatc	ttttatttgg	gttggttgg
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57961	cgcttgcaa	attttggtat	ttttagWaga	gatggagttt	taccatgttg	gccatgctgg
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58201	ttaaatgcaa	ttctagttag	aattccaaaa	gtttatttgg	aattggataa	aactaaaagc
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58321	catactatga	agctactatt	agtaacaaga	gtattgtgtt	gacagaggaa	aaaacaaata
58381	tatcaaaatt	caaaagtatg	ttgaatgtta	tgtgagattt	aatatataat	aaaagtagta
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59521	atactacttt	ttattttatt	tctaaagttaa	tagctacttt	ggaaaacaat	ctggcattat
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59701	tattacatac	gtaacaatgg	aacaaataaa	ctacaataat	ataaattatt	atttttaacca
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59821	cacgtaaaac	actgtagtat	tgagattcac	tctgcaggaa	agagttaaca	taggaggcct
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60181	gctgaaggga	atgagtacat	tctatatggc	cccttgRgga	acacaggaag	cctatatatg
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60541	cagccccatc	aaaaagtggg	caaggatat	gaacagacac	ttctcaaaaag	aagacatcta
60601	tgacgccaac	ggacacatga	aaaaatgctc	atcagcactg	gccatcagag	aaatgcaaat
60661	caaaaccata	atgagacact	atttcacaa	agttagaatg	gcaatcatta	aaaagtcagg
60721	aaacaacagg	tgctggagag	gatgtggaga	aaYaggaaca	cttttacact	gttggtggga
60781	ctgtaaaact	Kttcaaccat	tgtggaagac	agtgtggcaa	ttgctcaggg	atctagaact
60841	agaaataacca	tttgacccag	ccatccattt	actgggcata	catccaaggg	attacaaatc
60901	atgctgctat	aaagacacat	gcacacgtat	gtttatttga	gcactattca	caatagcaaa
60961	gacttcgaac	caaccctaat	gtccatcaat	gatagagtgg	attaagaaaa	tgtggcacat
61021	atacaccatg	gaatactatg	cagccataaaa	aaaggatgag	ttcatgtcct	ttatagggac
61081	atggatgaag	ctggaaacca	tcattcttag	caaactattg	cgaggacaga	aaaccaaaaa
61141	tcgcatgttc	tactcatag	atgggaattg	aacaatgaga	acacatggtc	acaggggtgg
61201	gaacatcaca	caccagggcc	tgctgggggg	tagggggagg	ggggaaggat	agcattagga
61261	gatacaccta	atgtaaatga	cgagttaacg	ggtgcagcac	accaacatgg	cacatgtata

FIGURE 4-Q

61321	catacgtaac	aaacctgcac	gttgtgcaca	tgtaccctaa	aattttaaagt	aaaataataa
61381	tttttaaaaa	agcaataaaa	aataagtatc	agtcatgagt	tcaactatat	gtcaaatctc
61441	ccgagtcctt	ttagtgaagc	accaaagtgt	gatggtagtg	ggacctctgt	cacaagtggg
61501	agcagaagtg	tggacacagt	atcRgcacag	tagagaaata	aataaatgac	agacttacat
61561	ggttttgcctg	tgtccccaac	caaactctcaa	tttgaattgt	atctcccaga	atttccctgt
61621	gttgtggaag	gcgcccagg	ggagacaatt	gaatcatcag	ggtcagtcct	tcccatgcta
61681	ttctcgtgat	agtgaataag	tctcacaa	tctcatgggt	ttatcagggg	ttaccacttt
61741	tgtctcttcc	tcatttttct	cttgccacca	ccatggaaga	agtgcctttc	gccctatgcc
61801	atgattatga	ggcctccaag	ccatgtggaa	ctgtaagtca	aattaaacct	ccttttcttc
61861	ccagtcttag	gaatgttttt	atcagcagtg	tgaaaatgga	ctaatacact	acactgctgt
61921	tgagtgaacca	cagtatggaa	ttcaatgcc	taaaaagaca	gaggcaggct	ttcattttat
61981	ctctgctctc	tcttaacatc	tcattaaaga	tttttaaaaa	caaactcaga	aggatgaaga
62041	gagagacaaa	ggagtagatg	agacatgtca	gcaaacattt	ttaggttgaa	aagcaaaacta
62101	ctggtaattc	agcaacccag	agagaatgga	aacatgctag	caatggagaa	aaccagaag
62161	cagacagatt	actgtttatg	gagaaacct	taaagattag	tagaattgca	agacaccact
62221	aaaaaaaaagg	ggcaggccag	atgcagtggc	tcacacctgt	aatcccagca	ctttgggagg
62281	ccaaggcagg	agtatcactt	gaggtcaaga	attcaagatc	agcctgggaa	acttagcaag
62341	accacatctc	tgtgtaaaaa	taaaaaatta	gccaagagt	gtggtgcatg	cttgtgttcc
62401	tacctactca	ggaggctgag	gcaggaggat	cacttgagcc	cagaggtttg	aggttgcagt
62461	gggctatgag	catgccactg	cactccagca	acagagcaag	accctgtctc	aaaaaaaaaga
62521	agaggcatgc	aaacagagg	tgYtaaaagc	gtgtatagtt	gaatgtgtct	tttgtcgcag
62581	aaaaaaaaatt	gtgtatagca	agtagttaaa	ctggctgggc	gcagtggctc	acactgttaa
62641	tccccatact	ttgggaggct	gaggcggtg	gatcacctga	ggtcaggagt	tcaagaccag
62701	cctgatcaat	atggtgaaac	cttgtctcta	ctaaaaatac	aaaaattaac	caggatgggt
62761	ggcaggcacc	tgtagtccca	gctgctcgag	aggctgagac	aggagaattg	cttgaacccg
62821	ggagRMagag	attgcagtga	gccgaaatcg	tgccacYgca	ctccagccca	ggagtgtttt
62881	ttctcaaaaa	aaagaaggta	gtaaaaccga	agagcccctc	ccaaacctat	cagaagatta
62941	tttactctct	tgagtttctt	aatcagagag	actgtgatat	tagtggcata	agacacagg
63001	gaagttaagg	gcaatacatg	aaaaccagag	atattaagta	ggagcattta	aactgcactt
63061	tcccctttgc	cacatctgac	tgaaattgaa	aacaatcgca	gttagacttg	aaccgccaag
63121	cgggaaagat	ttctttgtca	gaaatactta	ctaggccaag	agaaaagaaa	tctacagata
63181	ttaacaccag	gataccaatg	atgaattgga	ccaaactaca	ccacagtgc	atccaccagt
63241	ctacaaattt	tactaggcat	atagagcttc	caatgtgttt	tagtttccca	ctttcaaaaca
63301	agaggagaca	gctaaggatc	actggacata	tgaaaaaggc	gaggtaatga	gcaaagtaag
63361	taaaaaagg	acttcagaaa	aacagaaact	gaagaaataY	ttatgaaaag	ggttagatga
63421	acctaattgtc	aaggaatata	ataaaaaatt	agatcactaa	agacagatga	catgatccta
63481	aaagcctgca	aagaggaaaa	aaatagtac	aaaggatcat	ggaatcacaa	agttattctc
63541	aacaggagaa	gctaaaataa	aagaaagcaa	catttgtaag	tctaagggaa	aatacacctg
63601	actaaaagg	aggcttgata	tgaaaaaata	tatattattt	tttaattaaa	ggaaaaaat
63661	ttctaattcta	gaattctgta	ctcacccaaa	ttacccatca	tgaaggtaaa	accatgggat
63721	ttttaaacaa	ttaaggtctc	aaattctcag	aaagctacta	aaggatgagt	cccaccaaag
63781	aaggagaggc	caagaaaaaa	ggaagatttc	agatccaaga	aataagagtt	gaaattcagg
63841	agaaaagcaa	agggactctc	tgtgatacag	agagagtaca	tgacaaaacc	tatgtgatag
63901	gtctaagggt	agattgaaga	aaaaaaaaag	agcagggaca	gcaaagctga	aaatgataaW
63961	ttaatgtgtc	tatgcatact	aagacattta	tacttagacg	tttgtcatag	aaaactgggtg
64021	atgaattagt	cacaggtgca	cagaaagtca	aaaatggaaa	aaccaaattt	aatcaagag
64081	aaaattaaga	actgtacata	aagaaaattt	aaccattagt	actctacata	gctgtgacta
64141	ctgaaacagt	cataataata	ccataaacac	taactactaa	tcctactaaa	aattatgatg
64201	tactaaagaa	tggaagttta	tgtgttggtg	tcggaagtag	aaactatatg	acaaataaag
64261	tctaaacttc	catagtagaa	agccaataaa	taatagcaaa	gactggRaaa	aaaaatcaag
64321	aaacagcaat	ataaacatta	tttagaaata	tggagtcaaa	atacctagag	taatagctaa
64381	gactaaaaag	ttggacttgg	aggaggaaaa	gtggggtcta	ctattttttt	gtggaattta
64441	tggaaactact	ttaacttcca	tgtacataat	gcctttgagc	tttaaaaaatc	aatcttccaa
64501	caaattaaga	agaaaagtat	gtaaaaagat	agggaagaRa	ataaaatagt	gaaccagaat
64561	agactgctga	ttctttgaaa	atgttaatga	cagaaaaata	cctgtaacaa	cacagataat
64621	ttaaaaagg	gaaaaccagc	aataaaaaag	gagtaataac	tatgaggaag	atcatgaagt
64681	tgactataca	caaattgaga	acagaggaaa	tgtttcaaga	aaattataaa	atgtcaaaac
64741	tggcaaaaaga	aatataaaaa	atgcaataga	tcattgaata	aagtggtaat	cacacacatc
64801	cccacaaaaa	cagctccaac	catatgtttt	acaaatgatc	caaatttgaa	gaaacagatc
64861	atttttgctt	aatcaagtta	tcccagaaaa	cagaagagaa	aaactaattt	atttcatgaa
64921	gctcggttgt	gtttcagtta	aaacctacgg	agtcatatct	tattttactt	aaagacaaac
64981	aaatatgaag	taataactag	acctaggaat	ctcaagttcg	caaacagaaa	agcctataag
65041	atagataagt	cttaagtctg	attttatttt	caaatacaagt	aaacaaattt	catttcttat
65101	gtggaaggcc	taggccaagc	ttgctgcatg	gaaaggccct	acctgaaaaa	aaaaccctaa

FIGURE 4-R

65161	cacctacaaa	gtctctgttg	ttttgaagca	tccatctcaa	ggattagaaa	aaattaataa
65221	tataaaaaa	aaaataaaga	atatatgaaa	aataaaaatta	agaaaaaaat	aatgaaacta
65281	aaaacaagca	aatgagagga	ccgacaaagc	caaaacttgg	tttctgaaag	acaaaaattg
65341	ataaaccttg	acaaaattaa	tcgatgaaaa	agacaaggca	tagcaggcac	agtggcatgt
65401	gacttacgag	cagtaatccc	agctattcct	tagcttaggg	aggatcactt	aagcccagga
65461	gttctaattc	agcttgggca	acataccaag	atccctacct	ctaattaaaa	aaaaaaaaaa
65521	aaaagataag	gcataaataa	ccaatgtcag	gaataaaaaa	ggggatataa	ctgtagatcc
65581	tacagacatt	aacaagactg	gaaaaagaca	tgacaaaaca	acattatcca	aataaaactgg
65641	aaaattttaa	taaaaatga	aaatccctaa	aaaaagaaaa	gtagaacatt	taaaaaaaat
65701	agaaaaatcta	aattgtctac	tgaaactRtt	aagtaaaaatc	taaatcttta	atgttctata
65761	tcatcatcta	ggtagtagtt	gtaaaaattc	aatgaaatat	acacgcaatt	tgtgtatttt
65821	aatgtattat	gtttcataag	aaaacaaaag	tgaggccagg	cacagtgtct	atgctgttaa
65881	tcccaatgct	ttgggaagct	gaggcaggag	gattgcttga	gccagaagt	ttgagacaag
65941	cctaggcaac	acagtgagac	cctgcctctg	taaagaaaaa	ttttaaaatg	gccgggtgcR
66001	gtggctcaca	cctgtaatcc	cagcactgtg	ggaggccaat	gcaggagtat	cacttgaggt
66061	caggagttaa	agaccagcct	ggccaacatg	gttaaaccct	atctctacta	aaaatacaaa
66121	tattagccag	gtgtggagat	gggcgcctgt	aaccccagct	acttggggga	ctgaggcagg
66181	agaatcattt	gtaccccgga	ggcagaggtt	gcagtgagcc	aagatagcac	cactacactc
66241	cagcatgggt	gacagagcaa	gactttgtct	caagacagat	agatagatag	agaaataata
66301	aataaataaa	taagcaggcc	agcatgttga	tatgcacctt	tagtcttagg	tagtcagcag
66361	gctgagacgg	aagggtttga	gcccaggaaa	agttcaaggc	ttcagagagc	tgtgatcatg
66421	tcatggcact	ccatcctggg	ctaaagatgt	aaaccctgtc	tcagaaaata	aataaaataa
66481	taaaataaatt	agtatttttaa	aattctcgca	aagagaaaac	Kcctatgaat	tccatcaaat
66541	atttgagaaa	gaaacaatag	tggttcataa	aaacacttca	ggagaaaaga	gacagagaaa
66601	atactgaaca	actcatttta	caagaccagt	acaaacacag	agtagaacct	ttattttgaa
66661	cattttcttat	ttattatata	tttaaagtta	tgaattccct	ctaacactat	tttagctaaa
66721	tctcacaaat	tctgataagt	catattatta	tcttcattca	gaattattta	tattcccaac
66781	atgctttctt	ctttggccta	aagtcattta	gaagtcattg	cagtggacct	tggctttaga
66841	gcacaatgtc	ttaaaaggga	ccagatttac	cctcctgcct	gaatcaattt	taaaaaaaga
66901	aaaaacatac	aagattctca	agaaatagca	cattgaaaaa	ccaaagagaa	tgattcttga
66961	gatgggaaac	aaatgaggtg	aaccctctga	tcaccctatt	ccagatgtga	cacacagggg
67021	aaatcctcag	ttgaggagcc	aaagctgagg	attcaggaag	accaaagtgg	ttagaatttg
67081	caggataaaag	tactggacag	gagacggtta	catagagaaa	actgcagaat	gtgcagatct
67141	ctctcaagca	ttcaatcaaa	tattgatcag	agaatgcgtt	gtaagaaaac	cagagaaaaga
67201	accacccgaa	gccttgaggg	ggaatatcct	cccagttaca	aaggacctag	aataatctac
67261	cagccagagt	ggaaaacctc	cataagtaac	gggacacagt	agagaagaat	tttgccctcag
67321	aagggagaaga	aattagccac	agactatatt	ttgctagtct	ttattgtttc	cacagttctct
67381	catatatcta	aaatttgttt	ccatttttta	aaatagctgc	tttagcagga	gtgttagcct
67441	tctgtgactt	actgcattct	acctagaaga	ggaacctcta	gcataacctt	gataccaaag
67501	ccctgtaaga	acatttttca	aaaaaagaca	atattattca	taaacataga	tgcaaacatc
67561	ttcaatatata	ggcaaacctt	atcaaaaaaa	gttaataactt	tatgaccaag	tcaagtttat
67621	cccagaaaac	ctaaaagttg	tttaactttc	aaaaaccatt	gtaattttat	aagtttctaga
67681	aggcctctca	attctgaaag	aaatggtttt	gtctgcattg	cttggaaacca	aaaggctaca
67741	tatgtttaat	atgttgattg	ccttttacag	ttttctagta	agtgttactt	ctagcactat
67801	atgatttttc	taattagtat	tgtgcttttg	aataatttgc	cttagattag	cttcaaatac
67861	tttatttgaa	agtctgctac	ttagtatagt	taagtcaacc	aatactttat	ttctgatcaa
67921	actaacagca	attaaaatat	ataatcaaca	gaagattgat	ttcccctgat	aacaatgaag
67981	tgcccttcatt	tattagaata	taaccaaccc	tgccaacctg	attagcaact	ttgatcactg
68041	cccattttcc	taaaaacctt	atttgagtat	tatttttagga	gaagtgaaaa	atgtttatta
68101	taatttgata	attctaattc	ccataatccc	aattccaaca	gaaaatatca	aataaaactt
68161	ttcacaaaa	acctccaaat	tttaYagaaa	gtcaatggga	atatagaatt	ccctttcaag
68221	aataagactt	acaaacaact	aaaatatata	tgagtatatt	gtgtataacct	tcattcatta
68281	aaatatataa	cctataaccag	ctcttcttta	tcacttacct	ctttgcttgg	tgactgaata
68341	caagtgtctt	ttattttgcg	tgttgaaatta	ggcactgatt	ttgtagaatt	tgtactaaaa
68401	tcattggcaa	gacctaaaac	aaaagtatga	aattttcaaa	aacaagatat	agtgtaatat
68461	ctattagtca	caattaaaag	tagctgtata	tgacatgtga	agaaccatct	gttgactcac
68521	tgaccacaat	tagcttaaat	caagttagaga	cctcaattta	atattcaaat	gttctcgaga
68581	agcatcagga	aatgagaaaa	gcaaacaaaa	cacctgaagt	atcaatatat	gccagctctt
68641	ctttcagagc	ttgtatagaa	aacattcttt	tctatcatct	gcccctattt	ctttggctgg
68701	cttattctct	tattccaata	cctgctgatg	ctaatacagca	cttggaaaaag	tttttgctgt
68761	aattttatgac	ttccttaaac	agatatgtaa	atcaccaaag	attatctcaa	attctccagc
68821	gattccaaga	attctacaca	tctattttca	ttatatattt	tttctggcta	gatgcagtg
68881	cttatgcctg	taatcccaac	actttggggag	gctgaagagg	gcagatcact	ggaggggcagg
68941	agttcgagac	cagactagcc	aacatggtga	aacctggtct	ctactaaaaa	atacaaaaaa

FIGURE 4-S

69001	tagccaggcg	tgggtggcaca	cacctgtaat	cccagctact	tggaaggctg	aggcacaaga
69061	atcacttgaa	cctgggaggc	aaaggttgca	gtgagttgag	atagcaccac	tgtactacag
69121	cttgggtgac	accgcaggac	tatgtctcaa	taaataaata	aataataaaa	tactttttct
69181	tgtgtatgat	aattatgtat	ggacttccag	attacagtaa	tttaatgtga	actaaacggg
69241	atgacaaaatt	attgtcaaat	tattatTTTT	tgtcagtatt	atcctaagta	taccagaagg
69301	tacacaaagg	attgcatatg	aactcaaaat	accagggaaa	atattttcca	tatatTTaaa
69361	ccctagaaca	tatttgctgc	atTTgatatt	aattaccatg	acaaattcat	atTTtcatcc
69421	atctaaccct	taaattccat	cttgaatga	agccttactt	TTTTcttcaa	aacagtcttg
69481	taagattttcc	agaacattct	ggccttgctc	tgtgttaatg	tcacgtgccc	taataaagga
69541	aaaatacagc	ctgtcatttt	cagaagatat	ttctttatat	taccatctct	ttgaaaattc
69601	cacatctcat	tataaaatat	aaatttactt	aatatgtaaa	atRtctttac	tatttgaaga
69661	caaaacaagt	acttgagggt	ctatacattc	cctcaagtga	actctttcct	tcctaataag
69721	aattagtata	tcataatcta	ccttaacaat	taatatttct	tagttgaaca	gccatgtcta
69781	aagctgtttt	agattactgc	tgtatctcaa	aaacacaaat	TTTTttgaat	gaatccaatc
69841	agtccctgaaa	tgcttcttta	acagacttta	cagtcacatc	tccaagtaac	atattcctcc
69901	ctataaaattc	tcaaatgcat	ttctaattca	gtatcattga	ttaatcttaa	cagtttatga
69961	atcagtataa	atTTtaatta	aaaattatat	tgagcttgta	gattcacagc	cagctataca
70021	acataatata	gacccttTgt	tcactttacc	tagttctcct	cagtgtcaat	atTTtgcaaa
70081	actatagcat	attatcacaa	tcaggatact	gatattgata	caatctacca	atgctattgt
70141	gatttctcca	gttctacatg	tactcatttc	tgaacatact	catgtttgtg	tgtatatata
70201	caaaatgtat	cacatctgta	gggtgcagata	aaacaaccag	agtcaagata	ctgaatagtt
70261	ccatcatcac	aaagatcctc	tattgtcctt	ttgtaatcat	aaccaccttt	ctctcatctc
70321	cttccctgct	cctctcatte	ctaaccctctg	gcaaccacta	atctgtcctc	cattttctaaa
70381	actctgtcat	gtggaacaa	ttatatgtaa	atagaatcat	acaacatgta	tcctcttgcc
70441	ttggctTTTT	tcactcaaca	caattctatg	gaaataaatc	caagttgaat	gtaccaatat
70501	ttcattgctt	tttagagtca	agtaatgttc	catgctatgt	gtgtaccaca	gtgtttaacc
70561	atTTacctgt	tgaagaacat	ctggatttca	atcagtataa	aattgacatg	ctgtcttaac
70621	agagtggaca	aacttttTgt	taaagggccca	gatggtaaat	atTTtaggct	tgtaaaccat
70681	agtctctgtc	acaaccagtc	gactctccca	ttctagccca	aaagcaacca	cagacagtat
70741	gtaaacaaag	aggcatggct	gtgttccaat	aaaattgaaa	taaaacctgt	gacaaaacat
70801	ttggctggcc	tatcagccag	agtttactga	tccttgatct	acaacattcc	tattattgag
70861	agctgggaaa	gtactatata	tgcagtaatt	aaaaactgtg	agccacagtg	cattatcagg
70921	tcatccatca	taaagtTTta	tgaactgaaag	atctcagaaa	tcatccagtc	caataatcat
70981	catccaaata	gatgtgtaaa	gttacttttg	gagctttgca	gaaatacact	taattgggtca
71041	cttcccacaa	accaattTta	ttagatttcc	taggggtgatg	gaggtaattc	tgatgtgcaa
71101	atctagttaa	aaacccttag	ctgaattccta	tgccctcatt	ttgcagatag	gcaaaactgaa
71161	acccaaaatg	gtcaaatggc	ctacctcagt	ttgtaaacct	aagtagtatt	agtgccgggt
71221	tttctaccag	aatatatata	ggtgactatt	ataaattctg	gccttgacat	caccccaaaa
71281	taccacctac	agggtcacat	attgcacagc	tataaatata	ctcctgctat	tacctgtttc
71341	aaggatgaga	tccaaaaaga	tcagatttgc	caagggtgata	atgcagagtc	actattagaa
71401	cgcaggtcac	attaggaac	agctTTTTca	aaatttatca	aattcgtctt	ttcttccctt
71461	ttgtcattat	taccttagca	taaaagcacc	tccaccatgt	gtagattact	acaacacctt
71521	ccttaagcta	ctttgtaaac	atcaaacatc	tttgctTTTT	taaatgtgtg	tgtgtgttta
71581	tatcagatag	cccttatTcc	acagaagatt	taggagagct	tattcaagcc	tataatagat
71641	gcctaaagcc	taacatatcc	atTTtatggc	tcaatccaac	tcatatggtc	ttgttttcca
71701	cttctaccca	acatatTcaa	ccttctTaaa	tcagggtctct	ctgctactga	caaatatatg
71761	tattcctact	ttggttcctt	cgttaagtta	cttctctatgt	ctggaatata	ctttatctta
71821	gtcttttaaat	acctgttcaa	gggtccaccaa	agttacacta	caacttttaa	gcttttctta
71881	atatcaacaa	cacacaaatc	cctaatttct	cacatggctg	tctatactgc	aagttaatgc
71941	ctaatttatat	ataggcttac	tctctatgat	acacaagtca	ttacttcagt	attgcaagta
72001	ataattTTTT	tccattaaat	tgTTtcacaa	atgtacatat	acattttccc	aacagaaatc
72061	taagcttctt	gtaaacaaaa	gaacataact	ctgtgccccca	ttggacctac	taaaatcaca
72121	gctcaataaaa	catgacgtta	ttcataataa	catcttccact	tttaaaaaaca	tgcttttcat
72181	cctattacta	gtaaatattt	aactagaaaa	tttactTTTT	acaggTTTTa	caactaaaag
72241	aagaacccaaa	acaacccaaa	caagcactca	acaaatgcac	gacagcatgt	actatttttc
72301	tttttgcccc	actgaataag	ctacatcttt	ctaattttac	catttgattc	attctacaaa
72361	atgcttttcc	catggcagtc	acttagtcag	aactgagact	ccctcttccct	ggttccacta
72421	ttttatcagg	tgaatttctt	ttttcacagc	cacaaagtca	ttgcaactgct	tgcattaaca
72481	ttcccgttag	tataagatga	ctacccttaa	tcagtgggca	cagaaatcat	tatattagtc
72541	agaggtgata	gtttttcctt	tcttcattta	aaaatctatt	aacgatgaga	ataaaaaata
72601	tcttaaaagc	ttaagtacgt	aaatcacctg	gaaggtcgac	aaaatcttct	ctctgtagcca
72661	tttttgagat	gatcctgaaa	gaaaagtaaa	tcatacaattt	ggtttcttta	agatagagtc
72721	gagtaaaatt	tattttcaaa	gtaacttcat	ccagtatggg	catgctatac	accaaaccatc
72781	tcctaagggc	tcaaaacaat	tttgaggTTa	tgttatgaca	taacataggt	tatgacaggc

FIGURE 4-T

72841	atttataaaac	tgaactgcag	gcattctggta	agcttttattc	cgctttctctc	cccacagtga
72901	gaatggccttt	attgcttttct	tctgattata	tataatgtaa	acaatatatg	tgctcatagt
72961	aaaaagtata	gattatatta	ttcttttcata	caactcttta	tgtttatatg	tataacgtca
73021	cataatggga	gatcatcgaa	gctgaagatt	ttcttagaag	gggagataaa	ttagaaaaga
73081	aatgatacgg	attttttatat	agtaaccata	accaaagtat	gaaatataga	atagtgaaca
73141	ccaaagaagt	ccagaaatat	gtaaacaaaa	tgagttgtcg	ccccattag	tcattcacag
73201	cttggtacctt	ttaactgata	gctgtctttc	agaagagttt	gtcaataaca	tatgctccat
73261	aaatcagcct	caagaactgc	ataaaaggcc	accattttga	cagaagaact	gaaaacgtca
73321	aattattttcg	agacgtactt	gttacataat	ctgtttctcc	caactacca	gtgtgacgca
73381	aagacacact	tttaaggcgt	ttcaatactt	ctaccatggg	gagaaaagtt	atttggaggc
73441	ctaggaactg	gagctagact	aaaaagcaga	agccaagatc	gcgccactgc	actccagcct
73501	gggggacaga	gcaagacccc	gtctcaaaaa	caaaaacaaa	aaaaaaccca	gcagaaatca
73561	caagcacctc	tcaagagtaa	gcagtaggca	cagacgaaat	gacgacatga	aaacttaaga
73621	aataataaaa	gtacagtaaa	ttaactctgg	ttatcgacac	acgatcacac	ttgatttcaa
73681	aaattcctgc	ggctttccca	ctgaaatccc	tcagagatca	cagcctcagc	ctagcatttc
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73801	gggggcctgc	acttaccaga	cgggacgcag	ccatgttccg	gccccgctga	gccagcgcaa
73861	ctgtctgagg	tggaagccca	cacggaccac	agctccagga	agccgagcaa	gaaacgaatc
73921	gccggaatac	caggccgcgg	ccaagcaata	accttaagtc	tcaggcgact	gccgcgagag
73981	ctgcgatccg	gaaggcgcgc	gctaacaaca	ctcccccgcc	attgggtccg	ccctcaacaa
74041	acaagaacgc	ttggcctgtg	cctgggtttg	aaccgcgaga	cacatgcgca	aaacggggcg
74101	cgccgtccaa	taggaagcaa	gccgttagtg	ggctcgcccc	ttcatgctcc	agggccaacgg
74161	ccctccagcc	tgcaagccca	cccgcccgcc	ctacctctag	ccgctctgct	cttcccacct
74221	cccttccctca	gcgcccgcgc	cgggacaggc	gcgagactgg	gcttttatta	ggaaggcacg
74281	atcctgggaa	ccgctccttg	tgcccaatgt	aaaacttctc	aacagttcta	ttaaggaata
74341	ataagtaata	cttggaagga	tgaaggttag	aaattgcaga	cgactttttt	tttaatagaa
74401	tctttttttg	aagagatttt	tctaattgcag	attcgtcagc	cacgcccagc	ccatcataacc
74461	atcatctctg	aaaataattg	aataattatg	tataataatg	gtgatgatgg	cttgatttct
74521	ttttcaagta	tgtgggcat	atttttatga	tgcattgccca	acaaatgacc	cacgtaataa
74581	tctatcattt	aagtattgat	cactgaaaag	aattctatac	agaatcctga	aacctgccag
74641	ccattgacta	gctatgttat	ggaggggcaa	attgcggcac	cattctgggt	gtttccatag
74701	tgatagaatg	gaagtctaaa	ttagacgctc	tgaagacttc	tcacctgacc	agtgtatgat
74761	tctatgaagc	tgtatcttat	tttattattt	aattttaa	tacaagaaaa	ttctaatacag
74821	aaaatagttt	actaattgaa	taaatacatt	aatcaggagt	tgagctaata	gattttttaa
74881	acatgtagt	ctttaacaaa	tgtgtctMc	tatgaaggcc	aattttttta	ttttatttat
74941	ttttttgata	gaaaaaaaag	aactatgac	tctgactgaa	attaggcctg	gattgcactc
75001	cattccatta	attctgccat	tctgggcaac	taagttatct	gttccctaat	tctcttgctc
75061	gcaaaatgag	aatactatta	aagtgttgta	gatgttgtaa	ttgaataatt	cctgttaaga
75121	tctaagcaca	atgtttggaa	catagtaaga	attcaataat	aaagctattg	gaatcattat
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75241	gtcacatttg	gaatagataa	tgataaacac	taacatttat	tgactgcata	ctctatgcc
75301	agttctgaaa	tgctttgcat	gatttgaaga	gaacaattaa	tattcctggt	ttataaacaa
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75721	aaacgtttta	cttccatatg	tacttggtgt	agtacttaat	agcccaccat	ggttttagta
75781	tcctaaaata	ggattgctaa	ttaatggggg	gagtaatat	tatttataaa	cccaagtttg
75841	tcgttataaa	tctcccccca	aaatacatca	aagattactt	cttatgaact	gctaggacaa
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76021	aaagtatcca	gaaatttggc	ttgaaagaga	agtaaaaaaa	acttttcggt	acttatgggt
76081	ttagggtacat	aattttaa	ttgtaaatct	tgaaactatt	tcaaagaata	ttttgtttta
76141	gatctttgat	ttccatcaaa	taactatggt	atgggtattt	actaccaag	tgtcttccat
76201	taagtgttag	cacaaaaata	ttcacaaactg	aactaacact	taaaaattag	tctgtattca
76261	ttcccacccc	acagcttaac	atgtgcatct	gtcctggtga	gtggataaac	aaatgtacct
76321	caatgcagtg	caatactctt	cagcaataaa	agcaaacctac	tgatatacaa	tatggatgaa
76381	tcttgaaagc	actgtactaa	gtgaaagaag	ctggacatca	atgactgtat	gaaaagaaat
76441	caaatcgctg	gttaccaggg	gttgaggagg	gtgggggaaa	aaagactgta	aaggataaag
76501	agggaaacttt	ttgcggtgct	gaaaatattc	tatgtcttga	ttacgatggt	agttacatgg
76561	ctatatctat	ttgtcaaaat	tcctagttag	aactgtgccc	ctgaaaaagg	cgaccttttt
76621	ttttttgaga	aaggtcttgc	ttggttgccc	aggctggagt	gcagtggcac	aatcaaggcc

FIGURE 4-U

76681	cactgcagcc	tctacctgct	gggctaaaaat	gattctcctg	cctcagcctc	gtgaatatct
76741	gggaccacag	gcatgcacca	ccacacccctg	ctaattttttt	tttttttaat	ttttttaga
76801	gatgggatct	tcctatgttg	cccaagctgg	tcctgaactc	ttgggctcaa	gtgatcctct
76861	ggcttctgcc	tcccgaattg	ctgggttaca	ggcatgagcc	accacacctg	gccaaaatag
76921	tgactttttac	agtaaattat	acctcagtaa	atctgtgaga	gcgatgataa	aagagagaaa
76981	gagaaaaatga	gagagactca	aaggcactgt	atgaaaacca	aatgcaatgt	gtaaaactttg
77041	attagagtct	agttcaaaac	aaagtaactg	taaagagcat	taagcaataa	gtgaaaatga
77101	aaaaattaat	tttcagatga	tattagagaa	ttgtaaaagt	ttcttaggta	ttataatgtg
77161	attatgtcta	tgtaatttgt	ccttactcct	aggatatgca	tatcaaagta	tttagaggta
77221	aaatgtcttg	tgataattgt	aagtactttg	aaattgttaa	tcataaagag	attgagatag
77281	ttaaatacat	acggcaaaat	attaacaatt	attgaatcta	gttcattggg	gtgtttatta
77341	acaatactct	ttcagtttct	ctgtatgttt	gaaatatttc	atagaaaaat	gatggggaaa
77401	cttgaactta	ataaaattgc	ttaagttcta	aaaacttttg	caaaaacatt	tattattttat
77461	tctgcaaaag	tcaaaagtga	aaatatttagc	aaatgactat	catataattt	tgtcagaaaa
77521	attacacatg	aaaaatgaat	ttcttctaaa	aagtatagca	tagtcacaat	tataacaata
77581	tttgctaaga	taaaaatagac	ttagttttat	gatttttggt	tttttttata	atgtaatttt
77641	ttttctttta	ctccttactg	ccaaatgttg	gtccctctgt	taaggagatt	catttaagta
77701	tccttttctg	ataaaaaaatt	atccctccaat	agaaatgcta	tctatgctat	gtagaccata
77761	atggaaaagt	taataaaaatg	tgcttgcaat	gtacaggtag	gtggcagcaa	tgtttacaaa
77821	atagtttttac	cacgctatga	gttggttaagg	tctgcaatgt	gtcattaatt	gtaaagtgtc
77881	atataaatta	actgatcttt	acatttctcta	aattaccttt	gtgtcaacca	ttgcttatta
77941	gttatagtta	tattctatta	tgtacacatt	gtttctctta	agatcacacac	aaatacaact
78001	attctgtaga	tctccattct	gcatacctata	agataggata	gtttacttct	agtcaactta
78061	ttttctactc	acacaaagga	aattttgtca	ttgaaaacac	attaagattt	tcaaagcctt
78121	aataaaatgg	ttctgcattg	taattttact	cttgagagga	cttaaattac	cctgagtgaa
78181	aattggcaag	taatgtagga	tactgttttt	aaatttcagg	cagtcattgc	tttgcaaagt
78241	agtagcaggac	ccttaaaaag	accctgtaag	ctgaaaccat	gcaaaccgat	ctttgtctgg
78301	gaaaaaattct	gattgtttca	tgacctttta	aaaaaaatta	tcagctggag	gcggtggcta
78361	acgcctgtaa	tcctagcact	ttgggagact	gaggctggcg	gatcacctga	ggtcaggagt
78421	tcaagatcag	cctggccaac	gtggcaaaac	cccgtctcta	ctaaaaatag	aaaaatttagc
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78601	atacaaaaca	attagccgag	catggtggcg	gggtgcctgt	gtcccagcta	ctcggggggc
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78781	tacaaaaaatt	agccaggagt	gggtggtgtac	gcctgtaatc	ccagctactc	gggaggctga
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79141	ctttagtctt	ttgtaaaaaa	aaaaaaaag	aaagctatca	agaatagttt	gaacatgccc
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79381	acagtaccta	aaagtaagag	ttgtttttgt	ttgtttttgt	ttgtttttgt	ttgtttttgt
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79501	gcaaagacac	agggcagaag	tgatgtgctg	ttgacctaga	gaaaatctga	ctaataattga
79561	aaagtgcggc	caggcacggg	ggctcatgtc	tataatccca	gcatttttgag	aggccaaggc
79621	agcaggatca	cttgaggcca	ggagttcaca	accagcctgg	gcaacatagt	gagacccagt
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79741	agcttctcag	gaggctgagg	tgggaggatt	gcttgcccca	tggccctctg	cctagggaat
79801	agagcaagac	tccttctctt	aaactaaaaa	taaaaatttt	aaaagtgttc	atgttgacag
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79921	caatggggaa	ctgtggtata	atcagggttc	aattacataa	aagaaaattt	gtagccaggc
79981	gcggtgggctc	acgcctgtaa	tcccagcact	ttgggaggct	gaggcgggcg	gatcacctga
80041	ggtccggagt	ttgagaccg	ccttcaccaac	gtggcgaaac	gccatctcta	ctaaaaatag
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80281	gtgatggcta	gttttgga	aaagggatct	gctacctgca	tttaacagct	cataaaaattt
80341	ttgagaggat	gaagaaacag	tgtattttgg	attttcagga	ataattccca	aatgcacatt
80401	gaagaactaa	gccatthaaga	ggcagctgat	gtttctacag	ttataaaaca	aatagaaaaa
80461	ttgggaagct	gacattaatg	cttatgtctc	caagatcata	ctgacatcat	gcaatcagga

FIGURE 4-V

80521	agccaccaca	attacaaagc	tgccacgtta	tggaaatcac	tataagaatt	aaagaaagag
80581	gaaagaaaca	caaaaagtgg	cttgacagcc	aaagacaggt	ttatTTTTaga	gaaaacccaa
80641	gggggcttct	ggccaagtta	ggtcagaggc	acactctctt	acagactaag	agTTTTtaag
80701	gattcagggg	gggagagttt	atcagagggc	tgtactgctt	ctgtgtctct	ttgtgtgct
80761	tatctgggag	gaagacttgt	gtgtctgttc	ccatacatct	ttctgcgctg	caggcatact
80821	cccccgagtc	tgcttttagc	ttccctatct	tagtgcacct	gaagggaaaag	gaacgtgctt
80881	attaaggccc	actgttttac	tggggcccat	tgtatgaggg	tgaagtttgg	cagttaccca
80941	agagactttc	cccccacctc	cctctgtgcc	caagctgtct	tatctgtttt	actctctgct
81001	ctttctggct	gcttgtagtt	agaagagaag	tgatttcctt	gaaatgcatg	aggctaaaaa
81061	gggagctgga	acttaaagtg	gcagtatttg	agatgatggg	gctcctgctc	tgtcagtcac
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81241	tggtgaaacc	ccatctctac	taaaaataca	aaaattagca	aggccatcat	tgttacagaa
81301	gtgatattag	tagctctgtc	agaacagttt	aatttgctaa	cccttataac	tgtcagtaca
81361	aagagttgca	tctgggatga	taagagcttt	tcctattacg	tattttcaaa	ctatttttgt
81421	agtggaaaaa	gtcacttttg	ttactgagga	gtagtttttg	gatgccaggt	agatacggga
81481	aactgggttt	catactaggt	aactcacaga	ataatggtag	cttattctat	acttatacag
81541	tagtgggtggc	acactactgt	aatcccagct	actcaggtgg	ctgaggcatg	agactcgctt
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81841	gtgatcagac	attgggactt	ctgataactt	tgccacagaa	aaattagatg	cctacaggcc
81901	atacatgcct	ttttatttgt	tagaaaagcc	aaaggttgcc	tgggtgcagt	gctcacatct
81961	gttaattcca	gctactcaga	aggctgaggg	aggacgattg	cttaagccca	ggagtttgag
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82201	tagcctctgc	aataaacaaa	agcacactag	aagggttttg	aatgacggta	agcaccaatc
82261	caccttatct	cctaaggaaag	gcatgaaggga	tgagaaataa	aagagaaaaa	atagacttaa
82321	cctttgtata	cattgagttt	gaaattggta	aaactgaatt	cattatccct	ctaccaccca
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82561	tcattcccaga	tgcaactcct	tgtactgaaa	attataaggg	ttagcaaat	aaactgttct
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82681	aagacttaag	ggaacatttt	tctgtagtaa	aatggctcac	tgtatcagta	attctcaggg
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82801	caatgtgcat	tttctccact	gaaaatgctg	catgtctggg	tgtggtggct	aatgcctgta
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82921	agcctgacca	acatggtgaa	atctcatatc	tactaaaaat	acaaaaaat	agMcagggtg
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83101	tagcaagact	cagtctcaga	aaaagaaaag	aaaagaaaag	aaaagaaaag	tgtggcttaa
83161	ctctatcaat	agtaataaaa	aatttactca	taataaagat	tgtattggat	tcataccagc
83221	cattgataag	ctataagtat	ttcacacaat	ggttaaaatt	aaagtgtgat	tcttcaggta
83281	tgagttgcaa	aaataaatgt	attcaattaa	aatatcttag	aaatatacta	ccgcaaatca
83341	taatgcata	ggcaataaat	catcagtaag	tattaagcaa	aacaaaggtc	agaaatgtgg
83401	aagtactgga	gcagggttgg	ttgatttgat	tgattcagta	ctaataaatg	gatagaaaag
83461	tatttttagag	atcctcaatt	attgtaaaaa	atgtggattt	ttactcagat	gaccttataa
83521	catagaggag	tcaatacagc	actgagattt	tggtttatat	gagttaaatc	ttatacttca
83581	cccaaagttg	ttaagttata	tttgccataa	aacctgattt	gtaacaatct	tctgtgacac
83641	agatgctact	gatggctgta	atgttgggct	ccaatagttt	aatagtaaca	tgattgttct
83701	acaaggcaac	acaagaatca	tatgtcaacc	aatggtcaca	tatatcagaa	aaaaggaaac
83761	tcctgtcaca	atggaagcta	ataattctcc	aaactagaat	catatttttt	agctagaagc
83821	tattcagtaa	atataatgata	ttgcaatcta	cttataacca	acccctactt	caacacaatc
83881	tttccttttg	aaaaactggt	tctgttgat	actcaatgta	tacaaataac	tacaacagga
83941	caaatactat	aagaaagaaa	tcgtgcaaag	tgctttggga	aagcagaaat	gagagtaata
84001	actttttttt	ttgtgggggt	gaagaaagct	tcaggaaatt	aggagatggt	cagaattaag
84061	gatagattca	gcctgggtct	tgaaggacga	gtaggacatt	accatataaa	caaagagaag
84121	gaggggcatc	taagcagagt	acagtgaact	aaaaggatg	aggagacagg	gaagatcata
84181	gggtattcag	gcaactgaga	ctaaatgaaa	ttaccagagc	aaagggtatt	ttgaggaggt
84241	attattttaa	aggggccctg	ctataaagga	ccaacgtgcc	atgcttgagc	ccattgttgg
84301	tattcaataa	gtatttagtg	ttcaataaaa	aatattttaa	aaggaatctc	aaaagcaatg

FIGURE 4-W

84361	agaatccttt	aaagtctttt	cagtagggga	atatcttgat	taggttgaat	attaaatgaa
84421	tcaaagaaga	aaaagagtgg	aaactaggag	actacttaaa	agccttttgc	agctcttcaa
84481	acaataagtc	atgtagtcca	tcgcctcctt	gtataggtga	ggaagctatg	ataccagaga
84541	agtcaagtgg	tttgttcaag	gtctcaagag	ctgggttagta	gcaaaattag	tttatgccct
84601	atgtccaaac	atattttcta	ctatatattcc	ttacctacaa	atttattctt	cactgcctaa
84661	gacttgaggt	atctgtaaga	ggatttccat	tgtaatgggtg	cagtgggtgca	atgacactag
84721	tcattgcaga	caggactaac	ttgttaatat	tgtttaagca	agatttttgc	attttgtagt
84781	ctttttcagg	gagatataat	ttgattcttg	gtatattaag	aatgaatttg	acgaacaaat
84841	cagcagacca	aagtaactta	ctgtgtctga	ttagctgttt	ttaaattgtt	gcttatattt
84901	taaaggcaaa	aaaaaaacta	agtgcctatt	taacaacaac	aaaaaatccc	ctttacattt
84961	tttttagaggt	attattttct	ctcacctatg	aaactttctg	accataaagt	cagtgcgtaa
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85141	aggatcatata	ttcaatcagg	aggttttcct	gttattcaag	tcactttctt	agtataccga
85201	aactaaaaaa	tagttatggg	ttttgcctca	aaaaattcag	ttggacttat	atttttattat
85261	ttgaaggttg	ggtagcaaga	agcagggtcta	aacttacaaa	agcaaagcag	tcatttttga
85321	tcttcaactc	cctatttctg	tcttgagctg	ttttcatttt	gataatacat	ctgaacactc
85381	ttctctaact	tactgataat	cagtcctgat	tgttctacct	cactttgtag	acaatttgtc
85441	atcccatatc	tacagctgca	ggatcagtg	gacccatact	ggtggagaaa	accatgcagt
85501	ctctccatta	ggaaaggaga	atcagactga	agactcctga	cttgctttga	tttctaataa
85561	taggctgggtc	tcactgggcc	caggctgttc	taaactctaga	gtagtcttga	aatactgagt
85621	gtgaaatagg	caatggtaga	aattcttagg	acccctgtaa	gacaaatcaa	aattccttct
85681	agtattcttt	tctcccatca	tttctgcac	tgYgctacgc	caaatccaat	ctcttaagga
85741	ccatttccta	catgcaacca	ttgagtgcac	tttggcccca	gtatagcttt	ataaatctca
85801	ctagataact	gtgggaagtc	catccatgaa	tcatagtatc	aatgggtctgc	agctcagaaa
85861	gcacaaaaga	acaaaataaa	agtttgaaaa	cttacagctt	tctctgccag	atattttttt
85921	gtcaaatatc	ttagactcct	ttgtgttctg	gtaacagaat	gccacagact	gtaattttat
85981	aatgaacaga	aatgtatttc	gctcatgggt	ctggagtctg	gaagtcaaa	aacatggcca
86041	gcatctgatg	aggaccttca	tgcagcatca	ttccatggca	gaagatagaa	gagcaagaga
86101	ggatgatagc	atgtgagaaa	gtgccaaact	tgattttata	aaaaaccac	ttccaggcca
86161	ggtgcaatgg	ctcacacatg	taatcccagc	actttgggag	gccacagcag	gagaatcgct
86221	tggagcccaag	agtttgagac	caacctgggc	aacataggga	gatactgtct	atacaaaaaa
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86461	ctccccacagc	attaattaat	tcatttcattc	atgagggcag	aggcctcatg	acttaatcac
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86581	ttttggaggga	cacattcaaa	acatagcact	aaatattcat	tgggaactca	tgtacttggga
86641	atatctactg	gcaaaaaaaa	aaaaaaaaga	aagaaagaaa	aaagaaaaaa	attccatatt
86701	ccgtgttccc	ataattgtgg	tttatattta	gtgaagcatc	aatgagcat	gagatacaac
86761	tatttttttt	atttacacaa	aacttgacc	taaaatattt	aaccaacaga	agtactacta
86821	ataaaattat	tctatgaagt	aatttttaat	gaagctgagt	ttattcaagt	caYgtcttct
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86941	atatctcccc	taaagttcac	aatctctaca	cctgtttctt	tcattctctg	gtgatgttaa
87001	tcttctgttt	attttgcgct	ttaaactctaa	gcacatgtgg	attaccagga	gattgccctc
87061	tgaagtcag	tctacacctg	ttctttctta	cctcacaaaa	agtaatggaa	aaaaaagtg
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87301	aagcccccaa	aaccagcccc	tcgcaggatc	ttccaggaaa	ggttaaagat	tactgctcta
87361	cctttgtact	ttgaagggtt	tttattaatc	aagcgggtcag	gataccgggt	gagtctatag
87421	atgataatgt	taaacctaa	acttctgttt	taatttaata	tttatttcat	ggtgatgtga
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87541	aaaatgattc	caatttttca	taattttaat	acaatgtctg	gcttaaacct	gtatgtatac
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87721	aaaatgtttc	ttgtattttc	tccacaattt	attgctatgc	ttcaatgatg	acatgtacca
87781	ttaagataaa	atgatatacat	gattaaaaat	aaacctgctc	ctgttctgag	tcatttgaag
87841	ttataatga	tcaaatattt	aaaaatggct	tttgtaaaaa	ttggttaaaat	gacaaagttc
87901	atactgttta	acattatata	tagttatgtg	ttctaaaaata	ctattcaaga	tagtgacttt
87961	taatttttgg	ggtactactg	tgggtattaa	gtacactaag	ctacataaat	acctttgtct
88021	taagaaaaatc	catgaagcat	tctgtatttt	taaatgtaat	aattaaaaact	tatagttagt
88081	taaaatcatt	acttttataa	cagtaattat	ggatgacttg	aaattaatta	gagaaataag
88141	cccaaaattg	cctgttatta	aataaaaaaa	tcattaagtt	aggtcaaat	ttatgaaatt

FIGURE 4-X

88201	gtatactgac	taaaactaga	aaaatttttaa	ggtttttcaga	aattccatca	gaaatgttta
88261	atgatgctaa	aatatatttt	ctgaggattt	atgaatactt	gtggaaaaat	tatatatatg
88321	aaaaatctat	aatagcatat	tcacatttct	tacatatata	atcagatcat	ttactatttg
88381	agagtaaaga	catggtaatt	tgtattctgt	tatggatgtt	aaacatgcat	aaataattac
88441	ctttcagtta	tattagaatt	tttttagattg	atcctatatg	cttttaattgt	aaattcaatc
88501	ttgtcaccac	aggtaagcca	catagtcaca	ctttgccagg	aaagggaagt	tgagaaaaaa
88561	aaattctaata	tagtaattta	aatcaggttg	ttcattgaat	gttttccaag	gtatttataa
88621	taactgttta	tgatagcagt	ttttttttaa	tgcttaaaga	agacatgtca	ttggtagtgt
88681	tagcagaaag	aataagaatt	ttagagtgtc	ctttatctga	tggttttgcc	acttatagct
88741	tgtgatcttg	tgcaagttac	tcaatctcct	tgagactggt	tcaactataa	gatagagagt
88801	atactacttg	ctacttgcc	cctaaggtag	attctaggat	tcagtaggtg	ttcaatcaat
88861	ttattcactc	aacatttatt	gtgtgcctcc	tatgcaccaa	gcacactca	ttcttgaga
88921	atatggaaaa	aaacacaaag	attttatttt	caagaggcct	aatatagtag	gaatgatgtc
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89281	ccacacccgg	ctaacgtttg	tattgtttat	agagacaggg	tttcatcacg	ttgttcagggt
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89401	tacaggcatg	ggcctctgag	ttagaccact	aagtaccttt	tacttgtagt	tcagggagaa
89461	gagagcaaga	ggatgacaat	aatacctact	tatgtggtgg	tttcagggat	taaaaggata
89521	gcataatgtaa	aacacctggc	tcacactaaa	ggttagattc	attctcttac	cctttcatca
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89641	aaggagagtg	agcatggtga	taattagagt	acttgaaaat	agaagctatg	agaaaaatct
89701	aagcaaaaata	agtggaattt	ccaagcaatt	ggcagcaaaag	tgccagggaa	tctttgaaca
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89881	agaaaaaata	taactgaaga	gtaacctggg	ctataaaagg	atgaaatgct	gagagggtgct
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90001	taacaacgta	taccattttg	catgcaattc	tagaaggttt	ctaaatctga	ggtcaagaac
90061	ccatgaaaaa	cacataatct	tatatgaaaa	gataatgtgg	gaagatttat	ttaagccaca
90121	gcactaggat	tctgaattaa	ccaggaagat	gtgtttatta	tcaaagctgt	taaatgccac
90181	agtgaataac	cattggcatc	gcagttctta	caaatgggaa	aatttctcat	tttttctggg
90241	accgtttgaa	aataagagag	agtgtgggtg	ggcggggagc	ggtggctcat	gcMtgtaatc
90301	ccagcactct	gggaggccca	ggtggggcga	tcacgaggtc	aggaaatgga	gaccaacctg
90361	ttcaaacatgg	cgaaaccccg	tctctactaa	aaatacaaaa	attagcaggg	catgtgggca
90421	cgcacctgtg	gtcccagcta	ctcggggagc	tgaggcagga	gaatcacttg	aaactgggag
90481	tcagagggtg	cagtgatccg	agatcgcgcc	actgcactcc	agcctggcaa	tagagcgaga
90541	ctctgtcaaa	aaaaaaaaaa	aaaaaaaaaa	gaaagaaaaga	gagaaagaaa	gaaaagaaaa
90601	agaaagaaaa	taagagatag	tttgggcaac	gtctcataat	ttcttcaatc	tgtgatgtgc
90661	taaaagtaaaa	aaaaaaaaaa	gtgtgtgtgg	gcccggcccg	gtcccagcta	ttcgggaaggc
90721	tgaggcagga	gaatcgcttg	aatctgggag	gcccagggtg	cagtgaagtca	agatcggtgc
90781	actgcactcc	agcctgggtg	acagagcgaa	actccgtctc	aaaaaaaaag	gaaatttttt
90841	agggctgtct	aagtgtgtgt	cacacacagt	tctctatggc	agtaatctcc	aaatttttaa
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90961	tcagccgggc	gtggtggctc	acgcctgtaa	tcccagcact	ttgggaggcg	gaggcgggcg
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91081	aaaaaaaaaa	aaaaaaaaaa	attagccggg	cgagggtggg	ggcgctgtga	gtcccaacta
91141	ctcaggaggc	tgaagcagga	gaatggcggtg	aaccaggag	gcccagcttg	caggggagcgg
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91261	aaaaaagaat	attaattcat	ttggaattta	taaatatata	tattcccgtat	ctattaatcc
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91621	ctgggaagtc	aagagataaa	agtatcagtc	caattctaga	atttgggcga	ttccttcaca
91681	tttttaaatac	tgttctctcc	tttctaaaaa	gaataattac	tctcttgcat	agctgaatag
91741	gttgctccaa	tgactaagtg	gactatataa	taatgaatgc	aaccttttga	ggtataacat
91801	ataatggatM	ccattctagg	ctcttagtgt	tctgtcactg	tgatccttac	agtaactctt
91861	ctgggtgagaa	attattttat	tcacttcaca	aatgagttag	taggtgaggc	atgctggctc
91921	atccctgtaa	tcccagcact	tatggaggcc	aaggcaggag	gattgcttga	ggccaggagt
91981	tggagatcag	cctaggcaat	atagcgaaac	cccatttcta	caaaatcaaa	aaattagcca

FIGURE 4-Y

92041	ggcgtggtgg	cacaccctgt	attctcaggt	actcgggagg	ctgaagtggg	aggatcactt
92101	gaacccagga	gttcgaggct	gcagtgagct	atgattgcat	cactgcaccc	cagcctgagc
92161	aacagagcga	gaccctgtct	ctctaaaaca	acaactccaa	ataaacaat	gagtgagttc
92221	tggccacaga	ggttattcaa	ggttcctctt	ccattaagga	ggctagcttg	gatttgattg
92281	tgatgcactt	gaccatgctg	cttctcaaac	tcaaattcta	ccatttgatt	gtagggttcc
92341	tagttaagct	agtgataaat	tcagaagtct	tatttcagcc	tcttttctta	catcaatgat
92401	ttcacacaaa	cgattgttaa	aaaaaaaaaa	aaagaaattt	gtgcttcatt	caaagatat
92461	gtccttccaa	attaattttt	ttaattttta	agtatttctc	tagatatgaa	taggtacctt
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92581	tcttatcgaa	atgaaatcaa	gattgtgaYc	tgtaagtctc	tgcatactga	atataagttt
92641	ggtctgtcct	taggtttgca	gctgtggttg	cagttcacat	ggtctaatac	tatttgtaac
92701	cttacttttc	ctccagggct	gcctttgctt	tcaacttagt	gcctttatac	ttgcttttcc
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92821	tcccatTTTT	ccctatttaa	ctttacccaa	ttcatatcat	tcttttgaga	ctgaacacct
92881	ctaYaatttt	tctcgatagt	gcaatggagg	tctgcatgta	catacagagg	gaattcaata
92941	aacctttact	ggctatcagt	aatactagtt	tttatacctt	atggcagggt	aatactgtag

FIGURE 5

NM_004087 [gi:4758161] Homo sapiens discs, large homolog 1 (Drosophila) (DLG1), mRNA

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FIGURE 6

NM_014660 [gi:7662303] Homo sapiens PHD finger protein 14 (PHF14), mRNA

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```

FIGURE 7

NM_012074 [gi:13442997] Homo sapiens D4, zinc and double PHD fingers, family 3 (DPF3), mRNA

acattgtagcaaaatggcgactgtcattcacacccttgaaagcgctcggggaccagttctacaaggaagccattg
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FIGURE 8

NM_001812 [gi:4502778] Homo sapiens centromere protein C 1 (CENPC1), mRNA

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FIGURE 9

NP_004078 [gi:4758162] synapse-associated protein 97; discs large homolog 1; presynaptic protein SAP97

MPVRKQDTQRALHLL EYRSKLSQTEDRQLRSSIERVINIFQSNLFQALIDIQEF
YEVTLLDNPKCIDRSKPSEPIQPVNTWEISSLPSTVTSETLPSSLSPSVEKYRY
QDEDTPPQEHIS PQITNEVIGPELVHVSEKNLSEIENVHGFVSHSHISPIKPTEAV
LPSPPTVPVIPVLPVPAENTVILPTIPQANPPPVLVNTDSLETPTYVNGTDADYE
YEEITLERGNSGLGFSIAGGTDNPHIGDDSSIFITKIITGGAAAQDGRLRVND CI
LQVNEVDV RDVTHSKAVEALKEAGSIVRLYVKRRKPVSEKIMEIKLIKGP KG
LGFSIAGGVGNQHIPGDNSIYVTKIIEGGA AHKDGK LQIGDKLLAVNNVCLEE
VTHEEAVTALKNTSDFVYLK VAKPTSMY MNDGYAPPDITNSSSQPVDNHVSP
SSFLGQTPASPARYSPVSKAVLGDDEITREPRKVVLHRGSTGLGFNIVGGEDG
EGIFISFILAGGPADLSGELRKGDRIISVNSVDLRAASHEQAAAALKNAGQAVT
IVAQYRPEEYSRFEAKIHDLREQMMNSSISSGSGSLRTSQKRSLYVRALFDYD
KTKDSGLPSQGLNFKFGDILHVINASDDEWWQARQVTPDGESDEVGVIPSKR
RVEKKERARLKT VKFNSKTRDKGQS FNDKRKKNLFSRKFPFYKNKDQSEQET
SDADQHVTSNASDSESSYRGQEEYVLSYEPVNQQEVNYTRPVII LGPMKDRIN
DDLISEFPDKFGSCVPHTTRPKRDYEVDGRDYHFVTSREQMEKDIQE HKFIEA
GQYNNHLYGTSVQSVREVAGKGKHCILDVSGNAIKRLQIAQLYPISIFIKPKS
MENIMEMNKRLTEE QARKTFERAMKLEQEFTEHFTAIVQGDTLEDIYNQVKQ
IIEEQSGSYIWVPAKEKL

DLG1 Domains

Gene	Prediction Method	Accession ID	Domain Description	Start	End
DLG1	Pfam	PF00595	PDZ	218	304
DLG1	Pfam	PF00595	PDZ	313	399
DLG1	Pfam	PF00595	PDZ	460	540
DLG1	Pfam	PF00018	SH3	578	644
DLG1	Pfam	PF00625	Guanylate_kin	741	843
DLG1	prosite	PS00856	Guanylate_kin	740	757
DLG1	pfscan	PS50106	PDZ	218	256

FIGURE 10

NP_055475 [gi:7662304] PHD finger protein 14 [Homo sapiens]

MDRSSKRRQVKPLAASLLEALDYDSSDDSDFKVGDASDSESGNGSEDASKD
SGEGSCSDSEENILEEELNEDIKVKEEQLKNSAEEVLSSEKQLIKMEKKEEEE
NGERPRKKREKEKEKEKEKEKEKEREKEKEKATVSENVAAASAAATTPATSP
AVNTSPSVPTTTTATEEQVSEPKKWNLRNRPLLDVFSMEELNDMDDYDSED
DNDWRPTVVKRKGRSASQKEGSDGDNEDDEDEGSGSDEDENDEGNDEDHSS
PASEGGCKKKKSKVLSRNSADDEELTNDSTLSQSKSNEDSLILEKSQNWSSQ
KMDHILICCVCLGDNSEDADEIIQCDNCGITVHEGCGYGVDSGESDSIMSSASENS
TEPWFCDAKCGVSPSCCLCPNQDGIFKETDAGRWWHIVCALYVPGVAFGDI
DKLRPVTLTENMYSKYGAKECSFCEDPRFARTGVCISCDAGMCRAYFHVTCA
QKEGLLSEAAAEEDIADPFFAYCKQHADRLDRKWKRKNYLALQSYCKMSLQ
EREKQLSPEAQARINARLQQYRAKAELARSTRPQAWVPREKLPRPLTSSASAI
RKLMRKAELMGISTDIFPVDNSDTSSSVDGRRKHKQPALTADFNYYFERNM
RMIQIQENMAEQKNIKDKLENEQEKLHVEYNKLCESLEELQNLNGKLRSEGO
GIWALLGRITGQKLNIPIAIRAPKERKPSKKEGGTQKTSTLPAVLVYSCGICKKN
HDQHLLLLCDTCKLHYHLGCLDPPLTRMPRKTKNSYWQCSECDQAGSSDME
ADMAMETLPDGTGRSRRQIKEPVKFVPQDVPPEPKKIPRNTRTRGRKRSFVP
EEKHHEERVPRERRQRQSVLQKKPKAEDLRTECATCKGTGDNENLVRYPS

FIGURE 11

NP_036206 [gi:13442998] cer-d4 (mouse) homolog; 2810403B03Rik [Homo sapiens].

MATVIHNPLKALGDQFYKEAIEHCRSYNSRLSAERSVRLPFLDSQTGVAQNN
CYIWMEKRHRGPGLAPGQLYTYPARCWRKKRRLHPPEDPKLRLLEIKPEVEL
PLKKGFTSESTTLEALLRGEGVEKKVDAREEESIQRVLENDENVEEGNE
EEDLEEDIPKRKDRTRGRARCPLPSLHCFSSLPSAVIDAKEWGGGGKWEATV
AYRKKKIYPVHIFNM

FIGURE 12

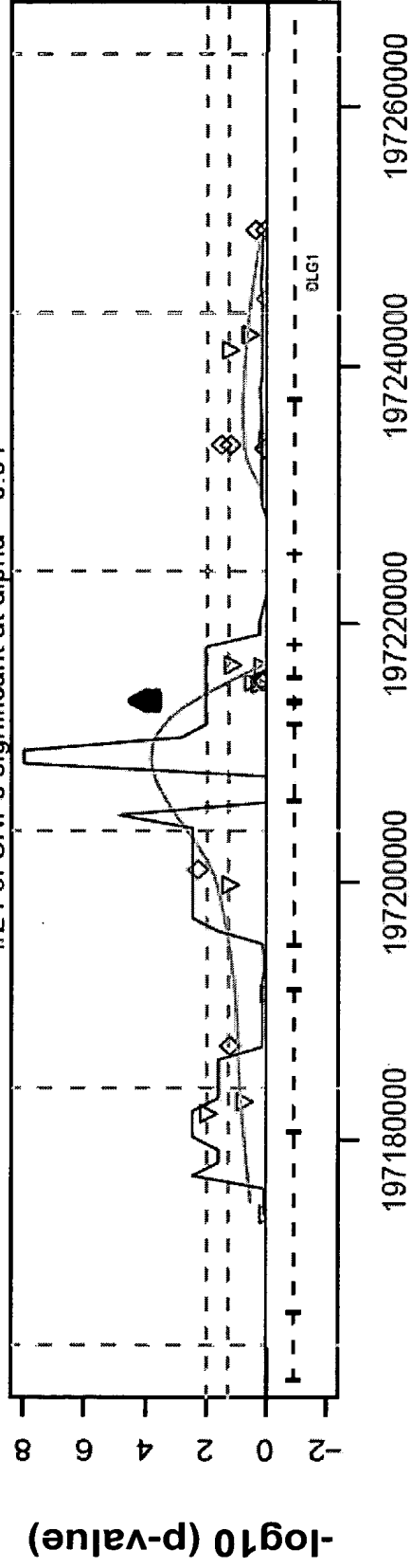
NP_001803 [gi:4502779] centromere protein C 1; Centromere autoantigen
C1 [Homo sapiens]

MAASGLDHLKNGYRRRFCRPSRARDINTEQGQNVLEILQDCFEESLANDFS
TNSTKSVPNSTRKIKDTCIQSPSKECQKSHPKSVPVSSKKKEASLQFVVEPSEA
TNRSVQAHEVHQKILATDVSSKNTPDSKKISSRNINDHHSEADEEFYLSVGSPS
VLLDAKTSVSQNVIPSSAKKRETYTFENSVNMLPSSTEVSVKTKKRLNFDDKV
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ETVKKRSESSPIVRHAATAPPHSCPPDDTKLIEDEFIIDESDQSFASRSWITIPRK
AGSLKQRTISPAESTALFQGRKSREKHHNILPKTLANDKHSHKPHPVETSQPS
DKTVLDTSYALIDETVNNYRSTKYEMYSKNAEKPSRSKRTIKQKQRRKFMAK
PAEEQLDVGQSKDENIHTSHITQDEFQRNSDRNMEEHEEMGNDCVSKKQMPP
VGSKKSSTRKDKEESKKKRFSSSESKNKLVPPEVTSTVTKSRRISRRPSDWWVV
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SKNEDNIMTAQNVPLKPQTSGYTCNIPTESNLDSGEHKTSVLEESGPSRLNNN
YLMSGKNDVDDEEVHGSSDDSKQSKVIPKNRIHHKLVLPSNTPNVRRTKRTR
LKPLEYWRGERIDYQGRPSGGFVISGVLSPDTISSKRKAKENIGKVNKKSNNK
RICLDNDERKTNLMVNLGIPLGDPLQPTRVKDPETREIILMDLVRPQDTYQFF
VKHGELKVYKTLDTFFFSTGKLILGPQEEKGKQHVGDILVFYVNFGDLLCTL
HETPYILSTGDSFYVPSGNYNKNLNRNEESVLLFTQIKR

FIGURE 13

DLG1

Chr. 3, FCH-1723
4/24 of SNPs significant at $\alpha = 0.01$



Chromosome position

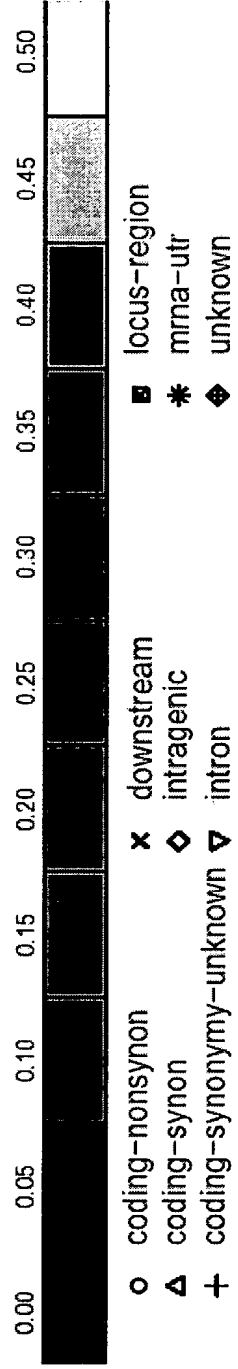
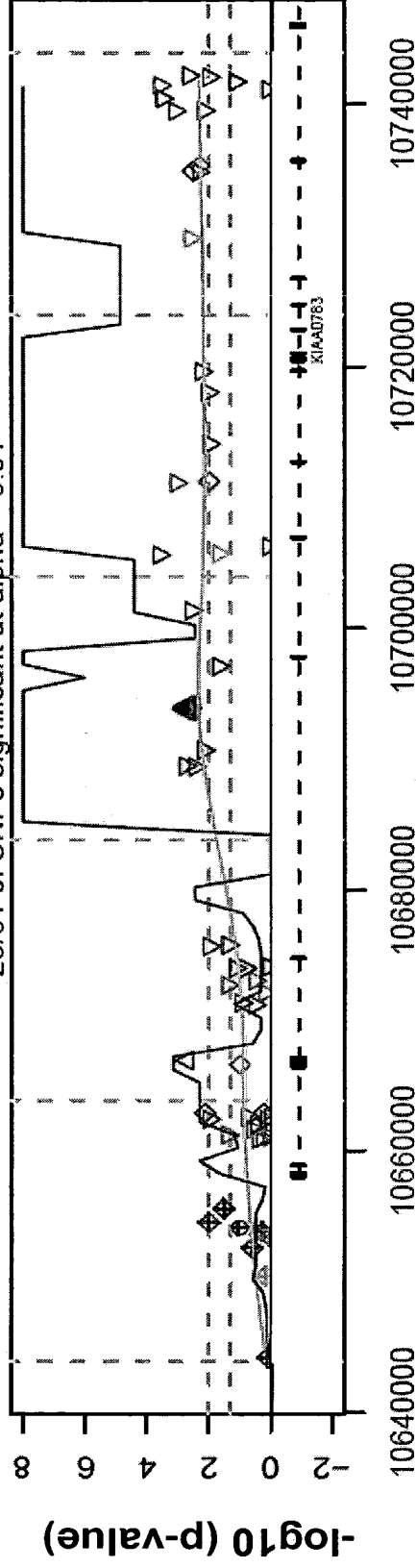


FIGURE 14

KIAA0783

Chr. 7, GP07_010162759

28/61 of SNPs significant at $\alpha = 0.01$



Chromosome position

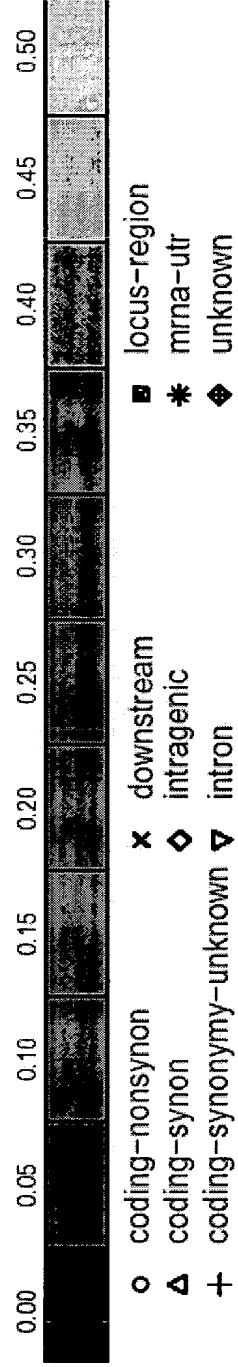
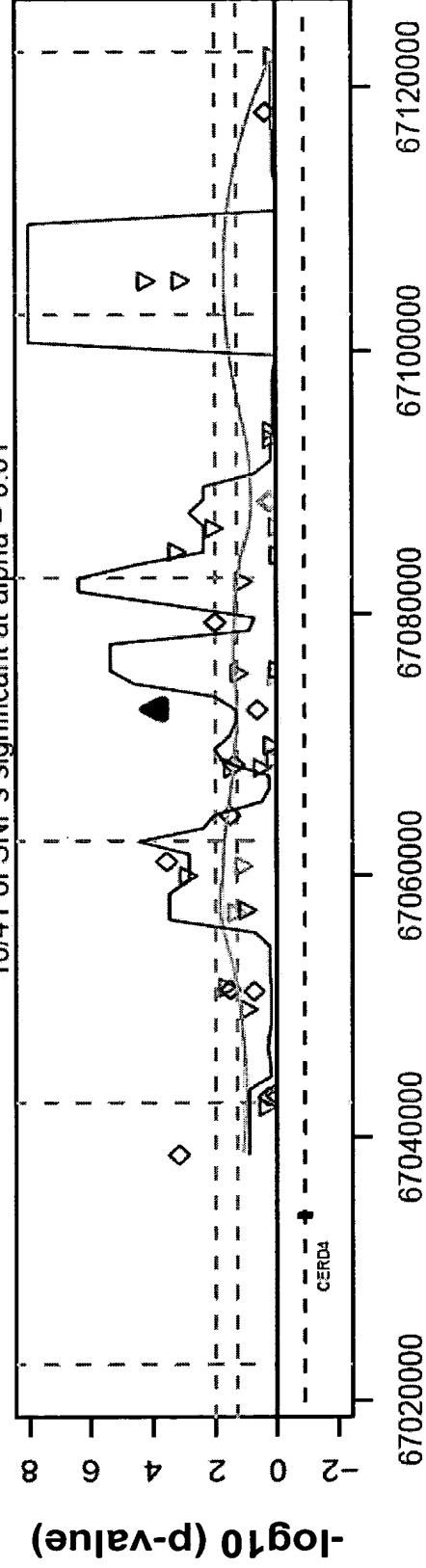


FIGURE 15

DPF3

Chr. 14, GP14_070498195
10/41 of SNPs significant at $\alpha = 0.01$



Chromosome position

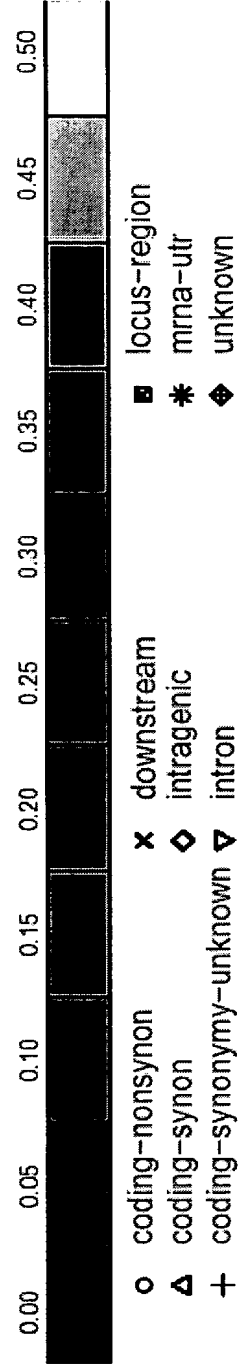
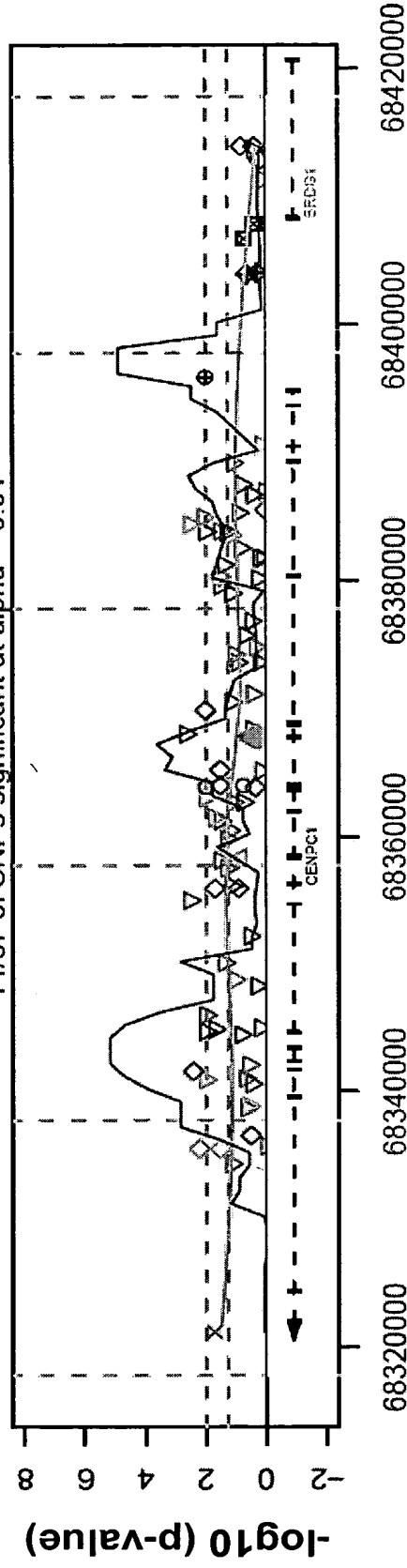


FIGURE 16

CENPC1

Chr. 4, GP04_071895328
14/87 of SNPs significant at $\alpha = 0.01$



Chromosome position

